



Undergraduate Entry 2022

Succeeding Together



MTU

Ollscoil Teicneolaíochta na Mumhan
Munster Technological University

Undergraduate CAO Courses

at Munster Technological University

CAO CODE	COURSE TITLE	NFQ LEVEL	QUALIFICATION	CAMPUS LOCATION	ROUND 1 POINTS 2021	PAGE
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Business, Marketing, Management, and Accounting

MT 942	Accounting	8	BBus (Hons)	Bishopstown	315	28
MT 550	Business (Common Entry)(Degree Award Options)*	7	BBus/BBus (Hons)	Bishopstown	253	29
MT 941	Business (Common Entry)(Degree Award Options)*#	8	BBus (Hons)	Kerry North	306	30
MT 541	Business (Common Entry)(Degree Award Options)*	7	BBus	Kerry North	232	31
MT 551	Business Administration*	7	BBus	Bishopstown	172	32
MT 944	Business Information Systems	8	BBus (Hons)	Bishopstown	350	33
MT 946	Global Business and Pilot Studies ♦	8	BSc (Hons)	Bishopstown/Atlantic Flight Training Academy	New course	34
MT 945	International Business with Language	8	BBus (Hons)	Bishopstown	279	35
MT 943	Marketing	8	BBus (Hons)	Bishopstown	290	36

Culinary Arts, Hospitality, and Tourism

MT 553	Beverage Industry Management	7	BBus	Bishopstown	193	40
MT 555	Culinary Arts	7	BBus	Bishopstown	220	41
MT 655	Culinary Studies	6	HC in Arts	Bishopstown	196	42
MT 940	Event Management	8	BA (Hons)	Kerry North	293	43
MT 556	Food Business Innovation*	7	BA	Kerry North	New course	44
MT 930	Home Economics and Business ▲	8	BA (Hons)	Bishopstown	518	45
MT 554	Hospitality Management*	7	BBus	Bishopstown	205	46
MT 654	Hospitality Studies	6	HC in Arts	Bishopstown	171	47
MT 947	Tourism Management	8	BBus (Hons)	Bishopstown	246	48
MT 552	Tourism Management*	7	BBus	Bishopstown	212	49

Sport, Physical Activity, and Leisure

MT 913	Coaching and Sports Performance*# ♦	8	BSc (Hons)	Kerry North	308	52
MT 513	Coaching and Sports Performance* ♦	7	BSc	Kerry North	207	53
MT 915	Coaching Science & Sports Pedagogy	8	BSc (Hons)	Bishopstown	410	54
MT 911	Health and Leisure (Degree Award Options)*# ♦	8	BSc (Hons)	Kerry North	303	55
MT 511	Health and Leisure (Degree Award Options)* ♦	7	BSc	Kerry North	211	56
MT 912	Health and Leisure with Massage*# ♦	8	BSc (Hons)	Kerry North	314	57
MT 512	Health and Leisure with Massage* ♦	7	BSc	Kerry North	236	58
MT 914	Inclusive Sport and Physical Activity*# ♦	8	BSc (Hons)	Kerry North	341	59
MT 514	Inclusive Sport and Physical Activity* ♦	7	BSc	Kerry North	121	60
MT 510	Recreation and Leisure Management*	7	BBus	Bishopstown	343	61
MT 910	Sport and Exercise Management	8	BBus (Hons)	Bishopstown	402	62

Social Sciences and Education

MT 575	Community Development	7	BA	Bishopstown	133	66
MT 971	Early Childhood Education and Care*#	8	BA (Hons)	Kerry North	309	67
MT 571	Early Childhood Education and Care*	7	BA	Kerry North	100	68
MT 572	Early Childhood Education & Care	7	BA	Bishopstown	397	69
MT 970	Montessori Education	8	BEEd (Hons)	Bishopstown	409	70
MT 974	Social Care*#	8	BA (Hons)	Kerry North	301	71
MT 574	Social Care*	7	BA	Kerry North	261	72
MT 573	Social Care Work	7	BA	Bishopstown	360	73

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Engineering

MT 848	Agricultural Engineering*#	8	BSc (Hons)	Kerry South	301	76
MT 748	Agricultural Engineering*	7	BEng	Kerry South	220	77
MT 859	Architectural Technology	8	BSc (Hons)	Bishopstown	375	78
MT 759	Architectural Technology	7	BSc	Bishopstown	308	79
CK 606	Architecture	8	BSc (Hons)	Cork Centre for Architectural Education	543	80
MT 847	Automotive Business Management and Technology	8	BSc (Hons)	Bishopstown	336	81
MT 747	Automotive Technology and Management*	7	BSc	Bishopstown	227	82
MT 839	Biomedical Engineering	8	BEng (Hons)	Bishopstown	444	83
MT 739	Biomedical Engineering*	7	BEng	Bishopstown	315	84
MT 838	Chemical and Biopharmaceutical Engineering	8	BEng (Hons)	Bishopstown	443	85
MT 832	Civil Engineering*#	8	BSc (Hons)	Kerry South	361	86
MT 732	Civil Engineering*	7	BEng	Kerry South	243	87
MT 731	Civil Engineering*	7	BEng	Bishopstown	261	88
MT 758	Construction (Common Entry) (Degree Award Options)*	7	BSc	Bishopstown	270	89
MT 856	Construction Management	8	BSc (Hons)	Bishopstown	300	90
MT 845	Electrical Engineering	8	BEng (Hons)	Bishopstown	342	91
MT 745	Electrical Engineering*	7	BEng	Bishopstown	320	92
MT 846	Electronic Engineering	8	BEng (Hons)	Bishopstown	329	93
MT 746	Electronic Engineering*	7	BEng	Bishopstown	300	94
MT 830	Engineering (Common Entry)(Degree Award Options)	8	BEng (Hons)	Bishopstown	475	95
MT 761	Environmental Engineering	7	BEng	Bishopstown	297	96
MT 860	Interior Architecture	8	BSc (Hons)	Bishopstown	431	97
MT 760	Interior Architecture	7	BSc	Bishopstown	375	98
MT 835	Manufacturing Engineering*#	8	BSc (Hons)	Kerry South	305	99
MT 735	Mechanical and Automation Engineering*	7	BEng	Kerry South	254	100
MT 834	Mechanical and Manufacturing Engineering (Under development and subject to academic council approval)	8	BEng (Hons)	Kerry South & North	New course	101
MT 836	Mechanical Engineering	8	BEng (Hons)	Bishopstown	434	102
MT 736	Mechanical Engineering*	7	BEng	Bishopstown	263	103
MT 857	Quantity Surveying	8	BSc (Hons)	Bishopstown	375	104
MT 831	Structural Engineering	8	BEng (Hons)	Bishopstown	396	105
MT 837	Sustainable Energy Engineering	8	BEng (Hons)	Bishopstown	320	106

Maritime Studies

MT 765	Marine Electrotechnology	7	BEng	NMCI	229	110
MT 764	Marine Engineering	7	BEng	NMCI	234	111
MT 766	Nautical Science	7	BSc	NMCI	256	112

Biological, Physical, and Pharmaceutical Sciences

MT 879	Agri-Biosciences	8	BSc (Hons)	Bishopstown	368	116
MT 877	Agricultural Science*#	8	BSc (Hons)	Kerry South/Clonakilty Agricultural College	307	117
MT 777	Agricultural Science*	7	BSc	Kerry South/Clonakilty Agricultural College	233	118
MT 750	Agriculture*	7	BSc	Bishopstown/Clonakilty Agricultural College	336	119
MT 774	Analytical and Pharmaceutical Chemistry*	7	BSc	Bishopstown	272	120
MT 874	Analytical Chemistry with Quality Assurance	8	BSc (Hons)	Bishopstown	327	121
MT 781	Animal Bioscience*	7	BSc	Kerry South	234	122
MT 775	Applied Biosciences (Degree Award Options)*	7	BSc	Bishopstown	420	123
MT 782	Applied Physics and Instrumentation*	7	BSc	Bishopstown	292	124
MT 680	Biological and Environmental Studies	6	HC in Science	Kerry South	215	125
MT 875	Biological Sciences (Common Entry) (Degree Award Options)	8	BSc (Hons)	Bishopstown	473	126
MT 871	Biomedical Science ▲	8	BSc (Hons)	Bishopstown/UCC	590	127
MT 878	Environmental Science and Sustainable Technology	8	BSc (Hons)	Bishopstown	262	128
CK 409	Industrial Physics	8	BSc (Hons)	Bishopstown/UCC	465	129
MT 833	Instrument Engineering	8	BSc (Hons)	Bishopstown	301	130
MT 876	Nutrition and Health Science	8	BSc (Hons)	Bishopstown	425	131
MT 873	Pharmaceutical Biotechnology	8	BSc (Hons)	Bishopstown	466	132
MT 872	Pharmaceutical Science *# (Degree Award Option - Biopharmaceutics)	8	BSc (Hons)	Kerry South	316	133
MT 772	Pharmaceutical Science (Degree Award Option - Biopharmaceutics)*	7	BSc	Kerry South	228	134
MT 682	Pharmacy Technician	6	HC in Science	Kerry South	222	135
MT 870	Physical Sciences (Common Entry) (Degree Award Options)	8	BSc (Hons)	Bishopstown	260	136
MT 770	Physical Sciences (Common Entry) (Degree Award Options)*	7	BSc	Bishopstown	260	137
MT 881	Veterinary Bioscience*#	8	BSc (Hons)	Kerry South	317	138
MT 880	Wildlife Biology*#	8	BSc (Hons)	Kerry South	309	139

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Nursing and Health Care

MT 925	Counselling with Addiction (mature applicants only)*# ◆	8	BA (Hons)	Kerry North		142
MT 926	General Nursing*#	8	BSc (Hons)	Kerry North	463	143
MT 927	Mental Health Nursing*#	8	BSc (Hons)	Kerry North	440	144

Computer Science

MT 802	Computer Systems	8	BSc (Hons)	Bishopstown	365	148
MT 706	Computer Systems and Networking*	7	BSc	Kerry North	227	149
	Computer Systems and Networking (Direct Entry)	6	HC in Science	Kerry North		150
MT 803	Computing (Common Entry)(Degree Award Options)*#	8	BSc (Hons)	Kerry North	307	151
MT 703	Computing (Common Entry)(Degree Award Options)*	7	BSc	Kerry North	261	152
MT 804	Computing with Games Development*#	8	BSc (Hons)	Kerry North	322	153
MT 704	Computing with Games Development*	7	BSc	Kerry North	238	154
MT 801	Computing with Software Development*#	8	BSc (Hons)	Kerry North	308	155
MT 701	Computing with Software Development*	7	BSc	Kerry North	297	156
MT 805	IT Management	8	BSc (Hons)	Bishopstown	347	157
MT 705	Information Technology*	7	BSc	Bishopstown	300	158
MT 800	Software Development	8	BSc (Hons)	Bishopstown	431	159
MT 700	Software Development*	7	BSc	Bishopstown	351	160

Art, Design, and Creative Media

MT 811	Animation, Visual Effects and Motion Design*#◆	8	BA (Hons)	Kerry North	718	164
MT 711	Animation, Visual Effects and Motion Design*◆	7	BA	Kerry North	-	165
MT 820	Contemporary Applied Art (Ceramics, Glass, Textiles) ◆	8	BA (Hons)	MTU CCAD	450	166
MT 824	Creative Digital Media	8	BA (Hons)	Bishopstown	390	167
MT 821	Fine Art ◆	8	BA (Hons)	MTU CCAD	400	168
MT 822	Photography with New Media ◆	8	BA (Hons)	Envision Centre, Cork	435	169
MT 812	TV, Radio and New Media*#	8	BA (Hons)	Kerry North	322	170
MT 712	TV, Radio and New Media*	7	BA	Kerry North	222	171
MT 823	Visual Communications ◆	8	BA (Hons)	Bishopstown	280	172

Music, Theatre and Drama

MT 936	Music ◆	8	BMus (Hons)	MTU CSM	904	176
MT 938	Musical Theatre ◆	8	BA (Hons)	MTU CSM	525	177
MT 937	Popular Music ◆	8	BA (Hons)	MTU CSM	1028	178
MT 939	Theatre and Drama Studies ◆	8	BA (Hons)	MTU CSM	609	179

* Students who successfully complete year two of this programme and who do not wish to progress to the third year are eligible to receive a Higher Certificate award.

Students who successfully complete year three of this programme and who do not wish to progress to the fourth year are eligible to receive an Ordinary Degree.

◆ Restricted Application and/or Early Assessment Procedures.

▲ Not all applicants on the points got offered a place.

MTU Maths Examination

Some students who apply to MTU courses may not achieve the required entry standard in Maths through the Leaving Certificate. For such applicants, MTU offers a second chance to reach the required entry standard through a MTU Maths Exam. In order to sit the MTU Maths Examination, students **MUST APPLY ONLINE**. The MTU Maths Examination will most likely be held on Tuesday following the week of the Leaving Certificate results release. Exact details will be published on www.mtu.ie/maths closer to the date.



MTU

Ollscoil Teicneolaíochta na Mumhan
Munster Technological University

Six Campuses... One University

MTU Bishopstown Campus, Cork

MTU Kerry North Campus

MTU Kerry South Campus

MTU Cork School of Music

MTU Crawford College of Art & Design

National Maritime College of Ireland

www.mtu.ie



President's Welcome

Fáilte ón Uachtarán

Professor Maggie Cusack



Welcome to the first MTU undergraduate prospectus which represents a significant milestone for us as a Technological University, bringing together our full complement of programme and course offerings for your consideration.

This past year has been very challenging for everyone. We have all had to adapt to new ways of doing things and our courses continue to be delivered in a manner that is in line with current public health guidelines. At MTU we always put the learner at the centre of our delivery. I am confident that students joining us in September 2022 will enjoy a great experience on campus.

MTU's vision is to lead transformation through education. Our mission is to lead change and, through education, empower people for a successful future in a globalised world. We do that by supporting a diversity of learners across NFQ levels 6-10. MTU offers students a broad range of options in relation to course choice, progression opportunities, research and industry placement.

We are dynamic, bold and brave and a hallmark of MTU is its flexibility and inclusivity. We ensure access for a wide variety

of people at every stage in their learning journey, enabling them to achieve their real potential in the world of tomorrow. With that in mind, we welcome the new Action Plan for Apprenticeship 2021-2025 which sets out a five-year strategy to deliver on the Programme for Government commitment of reaching 10,000 new apprentice registrations per year by 2025. This prospectus outlines our full range of courses including our apprenticeship provision and, of course, our CAO course offerings.

As you consider your options for the next stage of your educational journey, I am confident that MTU can provide a strong foundation from which to launch your career. If you need more information on our courses visit mtu.ie and please don't hesitate to contact any of our staff. You can be part of this exciting time at MTU and I look forward to welcoming you in 2022.

Fáilte go dtí an chéad réamheolaire fochéime de chuid OTM. Is cloch mhíle thábhachtach dúinn é mar Ollscoil Teicneolaíochta, ag tabhairt le chéile líon iomlán ár dtairiscintí cláir agus cúrsa chun gur féidir leat féachaint orthu.

Bliain dhúshlánach ab ea an bhliain seo caite do gach duine. Bhí orainn go léir dul in oiriúint do bhealaí nua chun rudaí a dhéanamh agus leanaimid orainn ag seachadadh ár gcúrsaí ar bhealach atá ar aon dul leis na treoirlínte sláinte poiblí atá ann faoi láthair. Ag OTM cuirimid an foghlaimeoir i gcónaí i gcoirlár ár seachadta. Táim muiníneach go mbainfidh mic léinn a thiocfaidh isteach chugainn i mí Meán Fómhair 2022 taitneamh as eispéireas iontach ar an gcampas.

Is í an fhís atá ag OTM a bheith i dtús cadhnaíochta i dtaobh athrú ón mbonn trí oideachas. Is é ár misean athrú a threorú agus daoine a chumasú, trí oideachas, do thodhchaí ina n-éireoidh leo i saol domhandaithe. Déanaimid é sin trí thacú le héagsúlacht foghlaimeoirí ar fud leibhéal 6-10 ar Chreat Náisiúnta na gCáilíochtaí. Cuireann OTM réimse leathan roghanna ar fáil do mhic léinn maidir le rogha cúrsaí, deiseanna dul chun cinn, taighde agus socrúchán tionscail.

Eagraíocht dinimiciúil, mhisniúil agus cróga is ea sinn agus is iad solúbthacht agus cuimsitheacht sainmharcanna OTM.

Cinnteoimid rochtain do réimse leathan daoine ag gach céim dá dturas foghlama. Cuirimid ar a gcumas a bhfíor-acmhainn a bhaint amach i saol an lae amárach. Agus sinne ag cuimhneamh air seo cuirimid fáilte roimh an bPlean Gníomhaíochta nua do Phrintiseacht 2021-2025 ina leagtar amach straitéis cúig bliana chun cabhrú a bhfuil geallta sa Chlár don Rialtas a chomhlíonadh, is é sin 10,000 clárúchán printiseach nua a bhaint amach in aghaidh na bliana faoi 2025. Tugann an réamheolaire seo breac-chuntas ar ár réimse iomlán cúrsaí lena n-áirítear ár soláthar printiseachta agus, ar ndóigh, ár dtairiscintí cúrsaí CAO.

Agus tú ag smaoineamh ar do chuid roghanna don chéad chéim eile de do thuras oideachais, táim muiníneach gur féidir le hOTM bunús láidir a thabhairt duit chun tús a chur le do shlí bheatha. Má theastaíonn tuilleadh eolais uait ar ár gcúrsaí tabhair cuairt ar mtu.ie agus ná bíodh aon leisce ort teagmháil a dhéanamh le duine ar bith dár bhfoireann. Is féidir leat a bheith mar chuid den am spreagúil seo ag OTM agus táim ag tnúth le fáilte a chur romhat i 2022.

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About Munster Technological University

Whatever your plans and talents MTU has a course of study for you. We offer the full range of higher education qualifications, including bachelor degrees and honours bachelor degrees, as well as postgraduate master and PhD degrees. There is a flexible “ladder” system in place, which, in many cases, allows you to progress from one award to the next. MTU also has a varied part-time and evening programme, one of the largest at third level in the country.



MTU has six principal campuses

- MTU Bishopstown Campus situated in the suburbs of Cork city
- MTU Kerry North Campus situated in Tralee, Co. Kerry
- MTU Kerry South Campus situated in Tralee, Co. Kerry
- MTU Cork School of Music situated in Cork city
- MTU Crawford College of Art & Design situated in Cork city
- National Maritime College of Ireland situated in Ringaskiddy, Cork Harbour

MTU Bishopstown Campus



The MTU Bishopstown Campus is the main Cork Campus and offers courses in business, science, computer science, engineering, media communications, and humanities. Also located here are student services, administration, research centres, and industry support centres.

The MTU Bishopstown Campus is situated in the western suburbs of Cork city. Leisureworld Sports Centre, which includes both a 25m and an 18m swimming pool, is right next door. Just a few minutes walk away are the suburbs of Bishopstown and Wilton with shops, restaurants and sports facilities. The city centre is just a short bus ride away. The Student Centre is the main focus for student activity and leisure. It has all the services you could hope for, such as a common room, restaurant, meeting rooms, supermarket, and various student services.

Based at the Bishopstown Campus is Nimbus, Ireland's leading research centre in Cyber-Physical Systems & Internet of Things research, innovation and learning. The Nimbus Research Centre offers many opportunities for students in ICT, engineering, computing, the built environment, energy, multimedia, and related disciplines. It provides space for up to 80 researchers, including facilities for undergraduate project students, visiting postgraduate students and researchers from other institutions and universities.

The Rubicon Centre is a business incubation centre for young graduates. It provides a supportive on-campus environment for start-up businesses. The Information Technology Centre consists of computer laboratories, seminar rooms and open access computer stations for hundreds of students. All these computers are fully networked and online.

The library, located in the Berkeley Centre on the MTU Bishopstown campus, is currently one of the most modern and technologically enriched academic libraries in the country. In a total area of 2,600sqm, the library provides more than 600 study spaces, more than 70,000 volumes along with subscriptions to a comprehensive collection of journal titles. The library provides access to a wide collection of print, electronic and audio-visual resources appropriate to all subjects taught in the University. Electronic resources are available off campus 24/7 and other useful resources available from the library include bookable group study hubs, exam papers, careers section, subject guides, WiFi, computers, printers, copiers, and of course, the library staff who are happy to support and advise students.

MTU Kerry North Campus

MTU Kerry North Campus is home to students pursuing qualifications in business, engineering, science, computing, creative media, event management, nursing, childcare, social care, and health and leisure. It operates on a shared site with Kerry Technology Park. This proximity has enabled the development of links with a range of cutting-edge start-ups, global companies and internationally recognised research centres. Companies operating from the Technology Park provide work placement opportunities for students and work opportunities for graduates. In fact, 25% of those working in the Technology Park are MTU graduates.



The Kerry North Campus is home to the Kerry Sports Academy. This €19m building provides exceptional facilities, which are universally accessible by people of all abilities.

The Sólás nursing centre is a purpose built, state of the art facility, which offers classrooms, meeting rooms, lecture theatres, conference facilities, boardroom, computer laboratories, nursing clinical skills suites and nursing interpersonal skills suites. The fully equipped nursing clinical skills suites are designed to provide a simulated clinical learning environment. The student nurse can learn the clinical skills of nursing through communicating and interacting with peers and experienced facilitators in a safe, non-threatening and friendly setting.

The library service at MTU Kerry campus provides study and research facilities on both the North and South campuses. The library service provides support and access to all of the information and resources which you will need. These include:



- access to more than 30,000 volumes, plus subscriptions to more than 100 periodicals and journals
- an extensive collection of electronic resources, including e-journals and e-books
- flexible learning spaces - quiet study areas, a large group study room and project meeting rooms
- computer areas with access to internet-enabled PCs
- wireless internet access and laptop connectivity throughout each library
- reading rooms with PCs and wireless access for laptops
- user education room for information literacy classes
- assistive technology room with hardware and software suitable for students with disabilities, including students with specific learning difficulties
- fully-equipped audio-visual room
- industry, business and community groups are also encouraged to avail of our library facilities.



MTU Kerry South Campus

MTU Kerry South Campus

MTU Kerry South Campus is home to the School of Science, Technology, Engineering and Mathematics. In addition to classrooms and auditoria, it also offers a range of mechanical workshops, agricultural engineering garages and civil and construction engineering laboratories.

South Campus also offers a range of biological and pharmaceutical laboratory facilities. Construction will commence shortly on a brand new STEM facility on the MTU Kerry North Campus. On completion, all MTU students studying in Kerry will be located on the North Campus.

MTU Cork School of Music (MTU CSM)

<http://csm.mtu.ie>



MTU Cork School of Music is a constituent school of MTU, located at Union Quay, Cork city, and provides honours degree programmes in music, theatre & drama, musical theatre, and popular music. The School also has a wide range of masters and PhD degrees. MTU CSM provides the internationally renowned staff of Ireland's largest conservatory of music and drama with the very best of facilities to ensure that many more students are able to pursue their studies.



MTU CSM has many award-winning bands, chamber music ensembles, choirs, drama groups, opera groups, and orchestras – with the senior ones undertaking extensive national and international tours, broadcasting, and making commercial recordings.

Founded in 1878, the Cork School of Music was the first Municipal School of Music to be established in Ireland and the United Kingdom. It was the first institution in the State to offer a Music Teaching Diploma course embracing academic, pedagogic and practical training. The musical life of Ireland is rich and varied, and nowhere more so than in Cork. The staff and students of MTU CSM play a pivotal role in this life through performances and their involvement with musical organisations not only in the city, but also regionally, nationally and internationally. The greatest asset of MTU CSM is its large and distinguished staff that includes many highly qualified and experienced teachers who are also performers of national and international standing. Many opportunities exist for students to attend a wide variety of performances.

Facilities

A purpose-built home for MTU CSM provides nearly 13,000sq.m. of state-of-the-art facilities. This was supplied by means of a Public Private Partnership (Department of Education & Science & Hochtief PPP Solutions). It includes:

- 60 teaching/practice studios (equipped with a fleet of Steinway grand pianos)
- 380-seater auditorium
- 120-seater drama theatre
- Movement room & changing facilities
- Professional 48-track, digital HD recording studio
- Electronic music studio
- Piano labs
- Audio lab
- MusicIT lab
- Double bass studio
- Early music (organ & harpsichord) studio
- Harp studio
- Percussion studio
- Postgraduate centre

With an inspirational ground-floor atrium that appears to flow up the entire building through two huge natural light shafts, and with acoustic, temperature and humidity controls provided throughout the building, these facilities are without parallel. One of the distinguishing features of MTU CSM is that music is music, and the genres of classical, Irish traditional, jazz, and popular are treated with equal respect and opportunity.

Another important distinguishing feature is the range and quality of ensemble music making opportunities that are available to students. Performing in public is a vital ingredient of any musical training and MTU CSM provides many platforms, both formal and informal, for its students.

In addition to a wide variety of chamber music groups, the MTU CSM's bands (including jazz), choirs, drama groups, Irish traditional music groups, opera studio, and orchestras have strong international as well as national reputations for their extensive profiles, achievements and standards.

MTU CSM has a proud tradition of producing professional singers, for example, Majella Cullagh, Mary Hegarty, Bridget Knowles, Paul McNamara, Cara O'Sullivan, Kelley Lonergan (Petcu), Molly Lynch, Muirgen O'Mahony, and Finbarr Wright. As well as individual vocal lessons, students can participate in an opera workshop, small vocal ensembles, and avail of specialist language classes. MTU CSM choirs range from a Junior and Senior childrens' choruses and a Youth Choir to the Fleischmann Choir – a large mixed-voice choir which performs and broadcasts the large-scale works for chorus with orchestra, and tours annually both within Ireland and abroad. MTU CSM also boasts an equal-voice choir of full-time students, Cappella Lyrica.

String players move through Preparatory, Junior, Intermediate and Senior orchestras to the CSM Symphony Orchestra that performs the literature for full orchestra. Wind and percussion players move through Elementary and Intermediate bands to the CSM Symphonic Wind Band, which plays important wind ensemble repertoire. In recent years, the CSMSO has committed itself to providing a series of rehearse-record sessions for composers studying in MTU CSM that have provided great encouragement and developmental support. In addition, MTU CSM supports specialist Baroque & Classical orchestral ensembles for those interested in historical performance practice and a Contemporary Music Group. Chamber music ensembles are a prominent feature of the MTU CSM, and the Drama staff foster a range of drama groups. Students benefit greatly from the residencies of artists-in-residence such as Barry Douglas and Ash Soan. The School has state-of-the-art digital technology to provide a unique resource for recording as well as music and technology studies.

Postgraduate Programmes

MTU CSM offers the following postgraduate programmes

- MA in Music – Performance
- MA in Music & Technology
- MSc in Music & Technology
- Music by research



MTU Crawford College of Art and Design (MTU CCAD)

<http://crawford.mtu.ie>

MTU Crawford College of Art and Design – the Crawford is a vibrant multi-campus College, which has been providing education in the arts for more than 100 years. Crawford graduates are among Ireland’s top artists, curators, designers, communicators, digital media practitioners, art therapists, and art educators. The Crawford is a diverse, dynamic and creative community exploring art, design, technology, culture, visual arts education and media through theory, research, as well as independent practice.

Whatever your creative aspirations the Crawford can support you on the journey to your future career. In addition to a range of careers in the creative and cultural industries, our graduates apply the skills acquired in their art and design education to a wide variety of jobs in all sectors, where their ability to think both laterally and critically, their powers of analysis, their exceptional team-working and communication skills, and their problem-solving attitudes are all highly valued by employers.

The College comprises three distinct departments:

The Department of Fine Art & Applied Art offering programmes in Fine Art (painting, sculpture, print, photography, film, video, mixed media and installation) and Contemporary Applied Art (Ceramics, Glass & Textiles), along with a suite of evening classes. Based in Cork city centre on the Sharman Crawford Street campus and at 46 Grand Parade.

The Department of Media Communications offering programmes in Visual Communications, Creative Digital Media, TV Production, E-learning, Journalism and Digital Content Creation, and Public Relations with New Media, is based on the MTU Bishopstown Campus, Cork. The BA (Hons) in Photography with New Media is taught at the Envision Centre, which is a repurposed city centre campus of the Crawford at Sober Lane, adjacent to Sullivan’s Quay.

The Department of Arts in Health & Education offering postgraduate programmes in Art Therapy, Art and Design Education and Arts and Engagement, along with a number of short courses, is based in Cork city centre, on the Grand Parade.





Facilities at the Crawford include lecture rooms, library, studios, and personal work-areas for students. There are well equipped workshops and laboratories for an extensive range of specialist areas.

Fine Art and Contemporary Applied Art (Ceramics, Glass, Textiles)

The BA (Honours) in Fine Art, and the BA (Honours) in Contemporary Applied Art (Ceramics, Glass, Textiles) are based on our Sharman Crawford Street campus in Cork's city centre with easy access to vibrant art institutions and arts scene. Both programmes provide studio based education, with an emphasis on instilling individualism and independence. Facilities include individual studio space with access to well-equipped workshops including drawing studio, media-labs, photography studio, digital imaging lab and/or traditional darkrooms, print studios, textiles, glass, ceramics, metal, and wood fabrication alongside lecture theatres.

Creative Digital Media, Photography with New Media, and Visual Communications

The BA (Honours) in Creative Digital Media, BA (Honours) in Photography with New Media, and the BA (Honours) in Visual Communications are offered by the Department of Media Communications. These programmes maintain close links with industry ensuring that courses are targeted to 'real world' needs and that graduates are both highly educated and eminently employable. Facilities include computer labs, photographic/video production space, design/drawing studios and lecture rooms. There is also a print workshop and digital print facilities available to the students. All labs consist of up-to-date industry standard computer hardware and software.

Postgraduate Programmes

The Crawford offers an extensive range of postgraduate programmes

- Professional Master of Education (Art and Design)
- MA in Art Therapy
- MA in Arts and Engagement
- MA in Art & Process
- MA in Journalism and Digital Content Creation
- MA in Public Relations with New Media
- MA in E-learning Design and Development
- MA by Research
- PhD

International Links

The College has strong connection with partners in China, USA, South Africa, Singapore, Vietnam, and Europe. The College actively participates in the ERASMUS student mobility programme in Germany, the Netherlands, Portugal, Italy, Estonia, Hungary, Romania, Czech Republic, France, Spain, Austria, and Finland.



National Maritime College of Ireland (NMCI)

www.nmci.ie

The NMCI is a purpose-built College on a 10 acre campus and is located 18km from Cork city in Ringaskiddy. It provides training and education for the Merchant Shipping Industry, and the non-military needs of the Irish Naval Service. The NMCI provides education and training services of the highest quality and includes degree programmes in Nautical Science, Marine Engineering, Marine Electrotechnology, and Logistics.



NMCI students registered with MTU are entitled to avail of facilities and sports clubs on the Bishopstown Campus.

Specialist spaces including survival facilities, seamanship workshop, fire-fighting/damage control, jetty and lifeboat facilities and ship engine room are provided. The College also provides state of the art simulation equipment in the areas of navigation, bridge training, communications, engineering machinery operations, liquid cargo handling/damage control and vessel traffic systems. These facilities fully comply with the most up to date international standards and requirements.

General Facilities

As well as the specialist areas mentioned above, other facilities within the College include

- Cafeteria
- Library
- Computing facilities
- Sports hall
- All-weather pitch
- Gym
- A variety of clubs including rugby and soccer

Careers at Sea

Life at sea has always appealed to people who want to combine travel with a challenging career offering exciting future prospects within the associated marine industries. This is a life for those who relish the challenge of working at sea and want travel internationally.

Ships carry over 95% of world trade and seaborne traffic is forecast to increase significantly. This is generating a great demand for high-quality personnel to manage and operate today's technically sophisticated ships. Apart from seagoing, the maritime industry also involves shipbuilding and ship repair, marine equipment companies, port surveying, administration services, insurance, and law.

This major industry is looking for capable and enthusiastic people who are ready for responsibility and hard work, and who enjoy using the latest technology. You will become a key member of a highly qualified team, whether on a giant supertanker, a container ship, a cross-channel ferry, a cruise liner, a specialised vessel servicing the offshore oil and gas industry or on a cargo ship. Initially you will work at a technical operational level in a teamwork environment. You will have the opportunity to progress to senior management levels in the shipping industry by completing further courses. Your qualifications will enable you to progress to masters' degrees for shore-based employment. Seagoing and shore-based opportunities at a senior level in management, marine and administration and many other marine related areas are plentiful and experienced marine personnel are always sought for such positions.

Student Life

Students are at the heart of any college and NMCI is no different. Due to the nature of life at sea, our students come from very diverse backgrounds and have a very broad age profile. Most come directly from second level schools and colleges, however, many are seasoned seafarers returning to gain further qualifications so that they can advance in their careers at sea.

Student Accommodation

Student accommodation is available locally. Please email the MTU accommodation office for details accommodationCork@mtu.ie

Fees and Grants

Third level undergraduate student fees are made up of the following two main elements

1. Student Contribution Charge - €3,000
2. Tuition Fees – see below

Additional fees

Union of Students in Ireland (USI) Levy €7.00 (students studying in MTU Cork Campus only)

Student capitation fee €95.00 (students studying in MTU Kerry Campus only)



1. Student Contribution Charge

The Student Contribution Charge is an annual fee which is set by the Government for full-time third level students. The fee for 2021/2022 is €3,000.

2. Tuition Fees

Many EU undergraduate students attending publicly funded third-level courses do not have to pay tuition fees. Under the terms of the Free Fees Initiative, the Government will pay these fees to the colleges instead.

Students undertaking a second undergraduate course, non-EU students, students studying by Accumulation of Credits and Certification of Subjects (ACCS) mode, and students taking a year of a course for a second time (i.e. repeating a year/level) may be liable for tuition fees. Further details on all tuition fees applicable are available on www.studentfinance.ie

Additional Fees

Union of Students in Ireland (USI) Levy (MTU Cork only)

The USI membership levy of €7.00 applies to all full-time undergraduate students and must be paid in September before the start of Semester 1. This levy is not covered by a SUSI grant.

Student Capitation Fee (MTU Kerry only)

In November 2019, the students of MTU Kerry Campuses voted in a plebiscite to accept a €95 annual charge for membership of the Kerry Sports Academy. This fee is payable by all students in the MTU Kerry Campuses and is not covered by SUSI. The fee must be paid by the student before they start their programme of study.

Payment Options

When you have accepted your MTU course offer, information will be communicated to you regarding online payment using visa/credit cards.

Withdrawing from a Course

Should you wish to withdraw from your course at any stage during the academic year you must ensure that you inform the Admissions Office directly as it may impact on your fees should you return to MTU or another third level institute in the future.

MTU Cork Campus

T: +353 (0)21 433 5138

E: admissionsCork@mtu.ie

MTU Kerry Campus

T: +353 (0)66 719 1722

E: admissionsKerry@mtu.ie

Student Grant - SUSI

Students can apply to the Student Universal Support Ireland (SUSI) for a grant which, if approved, may cover 100% of the Student Contribution Charge. The application system opens in April each year so students should apply early. You do not need to know what course or college you will be attending when submitting your application.

SUSI Support Desk

E: support@susi.ie

T: 0761 08 7874

W: <https://susi.ie>

Opening Hours

Excluding public holidays

Monday to Friday

(9.00am – 5.30pm)

International Students' Fees

International/Non-EU nationals attending full time undergraduate courses must pay tuition fees. Information about tuition fees for undergraduate courses is available from the International Office.

MTU Cork Campus

E: internationalCork@mtu.ie

MTU Kerry Campus

E: internationalKerry@mtu.ie

Contact Fees Information

MTU Cork Campus

Accounts/Course Fees

T: +353 (0)21 433 5440

E: feesCork@mtu.ie

MTU Kerry Campus

Accounts/Course Fees

T: +353 (0)66 714 5656

E: feesKerry@mtu.ie

Scholarships

You could be eligible for one of the many scholarships offered at MTU. These scholarships reward excellence and encourage outstanding performance in a variety of fields. They are provided in recognition of academic or sporting excellence. Eligibility criteria vary, as do the closing dates that apply, check the information available online on each individual scholarship for application requirements and closing dates.

MTU Sports Scholarships

To underline its commitment to sport, MTU annually awards sports scholarships to a wide range of sports. Those awarded scholarships will have high levels of achievement in their chosen sport and a full involvement and participation in this sport at the University.

MTU looks forward to helping each athlete achieve even more during their time in University and beyond. MTU places a very high value on the twin principles of participation and excellence in sport. The Sports Scholarships honour our outstanding athletes across the full range of sporting activities. These young women and men stand out as superb role models for our student body.

Academic Scholarships

Depending on your course of study, a number of academic scholarships are also available - details are included on the relevant course pages.

1916 Student Bursary

The purpose of the 1916 Student Bursary is to encourage participation and success by students from sections of society that are significantly under-represented in higher education due to socio-economic disadvantage. It is open to first year registered students at MTU. Further information and full eligibility criteria is available online at MTU.ie

- Value: €5,000 per year
- Duration: for the full course
- How to apply: applications are online only at MTU.ie

Sanctuary Scholarships for Asylum Seeker and Refugee Students

MTU, in partnership with Tomar Trust, grants four Sanctuary Scholarships to asylum seeker and refugee students wishing to pursue an undergraduate degree. Successful applicants will have their non-EU fees waived, and in some situations, will also receive additional financial assistance. Applications close in early June each year. Please check the website MTU.ie for further details.



Student Services

The objective of student services is to create a caring and supportive environment, one in which all students are supported and empowered to reach their personal and academic potential.

The student support services team delivers the necessary support to allow you to pursue your academic programmes and career goals, regardless of your starting point. The team, who you'll meet at orientation on your first day, provides advice and guidance on the range of issues that you may encounter during your time at the University.

Academic Learning Centre

The Academic Learning Centre on the MTU Cork Campus provides free academic support to students who may need a little extra help in relation to certain modules or topics. It is open to all students on the MTU Cork Campus.

Access and Disability Service

The Access service promotes access to third-level education at the University, particularly for groups who are currently under-represented in the student population: adult/mature students, students with disabilities, dyslexia or any other recognised learning difficulty or learning difference, Travellers, minority groups and students facing social and economic barriers. More information is available on the Access Service section of this prospectus.

Arts Office

The role of MTU Arts Office is to work with students and staff in developing and supporting arts related projects and to promote arts activities in all campuses. MTU offers students a wonderful opportunity to engage with and develop their talents, meet new people and get involved in the arts. Students have an opportunity to develop their interests in the arts by getting involved in the various arts activities organised throughout the year by the Arts Office, and by joining arts related societies.

Careers Service

Our dedicated Careers Service offers career guidance and advice to help you manage your own career development. We are committed to supporting students and recent graduates in developing and implementing successful career plans and facilitating the recruitment process for students and employers. Engage with us through a series of seminars, events and workshops designed to enhance your personal, professional and employability skills. Avail of one-to-one career consultations and connect with employers via presentations and careers fairs.

Chaplaincy

The MTU chaplaincy operates an open-door policy and welcomes all students regardless of religious background. Chaplaincy is not just about solving problems; it's also about creating an atmosphere to facilitate personal growth. It's about friendship, bringing people together and breaking down the barriers that sometimes separate us. It's about giving people the confidence to discover their real worth

and dignity, and harnessing human skills and talents for the good of the wider community. Above all, it's about service, care and helping you to make the most of your opportunities at third-level.

Counselling

MTU provides a confidential counselling service across all campuses to support you during times of need. Playing a vital role in the University's commitment to creating a caring and friendly environment, the service offers both individual counselling and group workshops, and is available to all students on a voluntary basis. Through our counselling service – which is available to students of all campuses – you get the opportunity to talk about and explore issues that are of concern to you, in an environment that is safe and non-judgemental. Counselling sets out to enable the students who use the service to become more effective and resourceful in their academic, social and personal lives.

Health/Medical Centres

All registered MTU students will have access to one of the MTU Medical Centres which provide consultations with the Doctors and Nurses by appointment. The nursing service is available free of charge to all students. The doctor's services are free to all students who hold a medical card, a fee of €10 is payable for all other student.

Library

The MTU library and information resource services will support you throughout your studies helping you to access expert support and guidance from their professional staff, an extensive collection of volumes and electronic resources such as e-journals and e-books. As a new student, the library staff are there to help you. If you need assistance finding a book or have any information request or other query about services in the library, then you can always ask a member of library staff. Staff are always available at the main library desk to offer help and assistance or you can contact us by phone or e-mail.

Students' Union

The MTU Students' Union (SU) provides the focus for a wide range of student activities. In addition to organising entertainment and events, it provides representation for students at all times, on and off campus. The SU also gives welfare and education advice. The union officers, all of whom are elected by students, make sure that your voice is heard throughout the University.

Accommodation

One of the most important aspects of life as a student is finding a suitable place to live most appropriate to their needs. Students should remember when choosing a place to stay that this will be your home for the academic year. It is very important that you view the property if possible and read any contracts/leases before you secure the room with a deposit.

The 3 types of accommodation are:

- 1 Purpose Built Student Apartments (Privately Owned Companies)
- 2 Shared Houses/ Apartments
- 3 Digs/Living with the Owner of the Property

While every effort is made to facilitate students seeking accommodation, the University is not involved in any agreement/contracts entered into between students and landlords.



Sports

Sport is an integral part of student life in MTU and it greatly enhances the student experience through its vibrant club scene, excellent sports facilities and vast array of opportunities to get involved in physical activity.

MTU Sport offers a wide range of sports clubs which cater for both competitive and recreational sport. At MTU we promote a policy of 'Sport for All' and our sports facilities are available to all students, from casual participants looking for fitness and fun to elite competitors aiming for national and international success. We organise and coordinate a range of fitness classes, physical activity and health initiatives throughout the academic year such as step challenges, fun runs, indoor cycling, Pilates, and bootcamp to name a few.

With over 37 clubs each in both Cork and Kerry campuses, excellent facilities and an extensive programme of physical activity and fitness classes, there is something for everyone. If you are keen to get fit, enhance your student experience, meet new friends with similar interests, enjoy new experiences or represent MTU in Intervarsity competitions then be sure to sign up and get involved.

MTU participates at the highest level of intervarsity competition and is a member of Student Sport Ireland (SSI). SSI is recognised by Sport Ireland & Sport Northern Ireland as the governing body for third level sport on the island of Ireland. SSI's vision is to work in partnership to enhance student health and well-being through increasing participation in sport and physical activity in third level colleges in Ireland.

The MTU Sports Programme is launched in the early days of the first semester. All students are encouraged to sign up for the sport/club(s) of their choice at this time. However, it is possible to get involved at any time throughout the year. Remember involvement in sport provides you with many opportunities to meet new friends, develop new skills, travel, and generally contributes to academic and personal development while creating an enriched and dynamic student experience.

**Remember Get Active
& Get Involved!**



MTU Ladies Football Club members

Sports Facilities

MTU Bishopstown Campus, Cork

MTU Bishopstown campus excellently prepared sports grounds and facilities play host to numerous competitions including primary and second level schools' matches, the Rebel Run, the Cork City Sports International Athletics Meet, the Christmas day 'GOAL Mile' and the Cork Primary Schools Sports Day. MTU Bishopstown campus provides training facilities for a number of teams including the Cork GAA teams from juvenile to senior levels, and Cork City Soccer.

The sports facilities can be easily accessed in less than 5 minutes no matter where you are located on campus.

The facilities include:

- A 1,200 seat fully-covered stadium that houses a two-tier elite gym, meeting/studio room, doctor's room, and 8 dressing rooms that complement a floodlit sand based multipurpose pitch
- A multipurpose sports hall incorporating a state-of-the-art gym and weights room. The gym may be used by all full-time students
- Synthetic international standard athletics 8 lane track with full track and field facilities. Includes a 1,080-seat stand, results and administration centre, dressing rooms, and indoor 5 lane 60m track with an Olympic size long jump pit
- A fully equipped strength and conditioning gym that houses a 625sqm gym area, dressing rooms, and offices
- Three soccer pitches
- Two rugby pitches
- Two GAA pitches
- A walking/jogging track encompassing the campus
- Floodlit astro-turf pitches

In June 2019, construction commenced on our new €22 million MTU Arena which includes a large multi-function hall incorporating two basketball courts with seating 400 people, a gym and studio rooms, and will be another major boost to our sports facilities.

Leisureworld, near the MTU Bishopstown Campus, has 3 swimming pools. A further multipurpose sports hall, astro-turf, gym, and swimming, diving and sailing facilities are available at the NMCI.

Contact

- Sports officers E: miriam.deasy@mtu.ie and norma.buckley@mtu.ie
- GAA development officer E: keith.ricken@mtu.ie
- Soccer facilitator E: eric.marrah@mtu.ie
- Athletics development officer E: craig.harrington@mtu.ie
- Rugby development officer E: brian.scott@services.mtu.ie
- Sports administrators E: sportcork@mtu.ie
- Gym supervisor and instructors E: gymcork@mtu.ie

T: 021 433 5767

E: sportcork@mtu.ie

1st Floor, Student Centre, Bishopstown Campus

MTU Kerry Campus

MTU Kerry campus sports facilities are available to all students and are located on our North Campus. The University's new €19m Sports Academy opened in 2019. The Sports Academy is an 8,400sqm, universally accessible facility and is the largest sports capital project ever to have been undertaken in Kerry.

Facilities on campus include:

- An international sized indoor sports arena that incorporates: 3 parallel basketball courts, 1 centred basketball championship court with surround seating, 9 badminton courts, 2 futsal courts, 3 volleyball courts, 3 indoor soccer courts. It also comprises of a viewing gallery for approximately 100 spectators. The arena can transform into a 1,500+ seated indoor conference area.
- A 700 sqm. state of the art gym and high performance gym containing 30 pieces of Matrix cardio equipment, weight stations, lifting platforms with squat racks, free weights and area for body weight exercises, stretching & mobility work.
- A hydrotherapy suite which includes a 12m x 6m hydrotherapy pool with water heated to 32°C – 34°C degrees, a fully accessible changing village, individual changing cubicles, and shower areas/toilet areas.
- Aerobics and dance studios
- Performance arena
- Laboratory/fitness testing facilities
- Floodlit all weather synthetic pitches
- Floodlit GAA pitch
- Grass running track
- Dry, outdoor and wet changing areas
- Extensive walking & jogging routes

We also use many facilities in the locality to support our extensive sports programmes and also make the most of the many wonderful natural amenities presented by our coastal location.

Contact

- Sports Officer E: jennifer.healy@mtu.ie
- GAA Games Development Administrator E: gaa.officer@services.mtu.ie
- Soccer Development Officer E: soccerkerry@services.mtu.ie
- Rugby Development Officer E: RugbyKerry@services.mtu.ie

T: 066 714 5644

E: kerrysportsacademy@mtu.ie

W107 & W108, Kerry Sports Academy

Sports Scholarships

To underline its commitment to sport, MTU awards Sports Scholarships annually in a wide range of sports. It is expected that those awarded a scholarship will have high levels of achievement in their chosen sport and full involvement and participation in this sport at the University.

MTU looks forward to helping each athlete achieve even more during their time in University and beyond. MTU places a very high value on the twin principles of participation and excellence in sport. The Sports Scholarships honour our outstanding athletes across the full range of sporting activities. These young women and men stand out as superb role models for our student body.

Please contact the sports office in MTU Bishopstown Campus, Cork or MTU Kerry campus directly.





1. MTU canoe club members enjoying a weekly outing.
2. MTU hurlers in action with UCD.
3. MTU soccer team celebrating cup success.
4. MTU students Clodagh & Katie Walsh representing the Irish Universities team.

Societies

Enrolling in our University means more than just academic learning. It can be a fun experience with lots of opportunities to broaden your horizons. Join a society to give yourself the opportunity to learn new skills and meet new people.

The diversity of MTU societies means that practically every taste is catered for. Grab the opportunity to experience something new or pursue an interest you have always wanted to explore. Why not get involved in the Dance, Esport or Anime & Manga Society. Get to know more people with similar interests and expand your network across courses by getting involved in your Academic Society.

Societies provide a huge range of activities both on and off campus throughout the academic year, including:

- volunteering opportunities
- leadership training
- trips away
- guest speakers
- social nights
- workshops
- national awards



MTU Societies are some of the best societies in Ireland frequently winning at the BICS (Board of Irish College Societies) National Awards. Students who are at the heart of running societies have achieved the honour of winning national 'Society of the Year', 'Most Improved Society', 'Best Event' as well as individual awards.



Ibrahim Salaou volunteering with Serve in Mozambique

How to Join a Society

You can join a society for free and online.

Joining a society means you will receive direct communication from the committee with updates on upcoming meetings and activities. You can join as many societies as you like – connect through their social media accounts on Facebook, Instagram and Twitter. Many societies also have online discord communities.

Connect with Societies - Cork

During the academic year 2020/2021 there were 30 Societies that operated online – running over 400 activities and meetings. Don't miss the opportunity to learn new skills, make lasting friendships and have fun!

Contact societies officer Aoife Kelliher by email aoife.kelliher@mtu.ie or DM on social media.

For up to date information, find us on social media [MTUCorksocieties](#) on Facebook and Instagram.

Connect with Societies - Kerry

Societies Officer Kevin Ross is on campus five days a week for all your day to day society needs and information on events and activities. If you prefer the personal touch, call to the societies office for a chat, the door is always open.

Contact Kevin at M: 087 406 7655; Ext/Red Phones: 1782 or by email societies.officer@services.mtu.ie

For up to date information, find us on social media [MTUKerrysocieties](#) on Facebook and Instagram.

Society Committees

Enhance your skills in organising events, activities and managing finance. Be part of the student team that coordinates and organises a society activity. To be elected as a society committee officer is a huge bonus for your CV by providing an opportunity to develop your communication and team work skills.

Each society holds an AGM (Annual General Meeting) at which a committee is elected. Any student can run for election. The organising committee usually includes a chairperson, secretary, treasurer and many have specific roles for 1st year reps. Societies are completely student run, which empowers the student committee for planning and running activities they choose.

Join a Society - Cork

Academic: Civil & Structural Engineering, Marketing, Mechanical & Biomedical

Activities: Yoga

Interest: Airsoft, Anime & Manga, Art, Cyber Security, Esport, Fashion, Photography, Programming, Pool & Board Games, Sci-Fi

Community: Christian Union, Enactus, Energy and Environmental, Indian, International Students, Islamic, Korean, LGBT*, MEAS (Mature Students, Mental and Emotional Awareness Society), WiSTEM

Music & Arts: 3D Design, Comedy, Dance, DJ, Glór Choir, Musical, Trad

Join a Society - Kerry

Academic: Nursing & Agricultural Society, Enterprise, Events.

Activities: Yoga, Zumba, Meditation & Wellbeing, Sign Language Classes.

Interest: SPARK (Mental Health Awareness Society), Manga Anime & Games, Art, Esport, Fashion, Photography, Sci-Fi, Cinema.

Community: International Students, LGBT*, Mature Students Society, St. Vincent de Paul.

Music & Arts: Radio (BANG FM), Music, Art

Volunteer Abroad

Each year the societies office has been proud to support students who have chosen to experience volunteering abroad during the summer break. MTU provides financial support to students who wish to undertake a number of weeks volunteering abroad. This has allowed students to make a difference around the world including Kolkata, Guatemala, South Africa, Nepal, Ecuador, Mozambique, and the Philippines.

Many of the volunteers address issues focused around the Sustainable Development Goals (SDGs), which aim to achieve a better and more sustainable future for all. The SDGs address the global challenges we face, including poverty, inequality, climate change, environmental degradation, peace, and justice.



Access Service

The Access service promotes access to MTU for groups who are under-represented in higher education. This includes students with disabilities, students who are experiencing social and economic barriers to access, mature students, Travellers and minority groups. The University offers a range of support programmes to promote access:

- Mature Student Orientation and Transition programme
- Financial guidance and support through the Student Assistance Fund
- 1916 Student Bursaries
- Traveller access support
- Star Pupil Traveller Access to Education Programme
- Disability needs assessment and supports
- The Higher Education Access Route (HEAR)
- The Disability Access Route to Education (DARE)

MTU aims to ensure that students with disabilities/learning difference can engage as fully as possible in their chosen courses of study. The University cultivates an environment where students are comfortable to disclose their disability/learning difference and offers these students the opportunity to have their needs assessed to identify any reasonable accommodation and/or other supports that may be required to facilitate them on their academic journey.

Students with learning difference include students with dyslexia; dyscalculia; dyspraxia (DCD); Asperger's syndrome/ASD; borderline mild general learning difficulty; speech and language disorder; ADD/ADHD; acquired brain injury (ABI) or any other condition impacting on cognitive functioning.

Students with disabilities include students with physical, sensory, mental health, and serious ongoing illness. For school leavers, visit www.accesscollege.ie for information on DARE.



MTU Cork Campus
E: dsscork@mtu.ie



MTU Kerry Campus
E: supportservicesKerry@mtu.ie

Students with Physical or Sensory Disabilities, Mental Health or Significant Health Conditions

The University is committed to supporting your progress through your studies and is continually working to enhance the services and facilities available. Please make contact with the Access Office to discuss your specific needs.

Traveller Access Programme

MTU is proud to have members of the Traveller community on the Access team. The Access team support all members of the Traveller community who are interested in applying to the University. This is a confidential service which offers guidance and support on-campus and in the community. Support

is available to mature learners, second-level school and PLC students and any member of the Traveller community. Help is available to choose your course and complete your application forms, and that help will continue through your studies if needed. We meet MTU students every year who identify as Travellers. Our graduates from the Traveller community are working in the careers that they have studied.

MTU welcomes applications from members of the Traveller community and we strongly advise applicants to contact the Access Service to avail of support and guidance with the application process.

We work proactively with young Traveller students in post-primary schools providing information, guidance and support. This includes the Star Pupil Traveller Access to Education Programme in Kerry (see Admissions section) and the Mentoring Initiative and Art Programme in Cork.

Ethnic Minority

In addition to the aforementioned Access Programmes and the University's Student Support Services, specific support is available to Access students from ethnic minority groups who experience significant language barriers to participating in their academic programme of study.

MTU, in partnership with Tomar Trust, grants 4 Sanctuary Scholarships to asylum seeker and refugee students wishing to pursue an undergraduate degree. Successful applicants will have their non-EU fees waived, and in some situations, will also receive additional financial assistance. Applications close in early June each year. Please check the website for further details.

Linked Schools Programme

The Access Service Linked Schools Programme works in partnership with school staff, local communities, MTU staff, and students from primary and second level schools to support greater participation by students from our linked schools. The Linked Schools Programme works with 27 selected Schools in the Cork/Kerry region.

Academic, personal or social supports are provided for eligible candidates who transfer from Access Linked Schools into MTU.



MTU Cork Campus

E: linkedschoolscork@mtu.ie

MTU Kerry Campus

E: accessKerry@mtu.ie

Mature Students Returning to Education

MTU welcomes students from all backgrounds. We value the contribution that you make and we welcome applications from mature students to all of our courses.

In this era of lifelong learning, we are committed to providing flexible and accessible learning opportunities, and are continually putting supports and services in place to assist you in your studies.

You are a mature student if you are aged 23 years or over on 1st January on the year of entry. In order to encourage participation, mature students are not required to have a Leaving Certificate. Each mature student is considered on an individual basis; this may include an aptitude test, written assessment or interview.

How do I Choose a Course?

Attending a third-level course is a major commitment, and choosing the right course will require some groundwork. Think about the subjects that you like, and the ones you don't like. Which courses interest you? Being interested in the course is a vital ingredient in driving your motivation to study.

- What's the best way to develop your strengths and talents through learning?
- Does the course require a background in certain subjects?
- Are there specific entry requirements?
- Before applying for a place, get as much information as you can about the course
- Talk to current students or graduates about the subjects and courses which interest you
- Take the time to build your word processing, email, file manager and internet browsing skills before term starts
- Support from family and friends before you start can be a big help
- Find out how many hours a week are spent in class
- Explore any fees and grants that may apply to you
- Find out how much study is required every week

We recommend attending Open Days and any other opportunities to visit the campus. Check our website for upcoming events.

The Mature Student Orientation

As part of our commitment to supporting your academic, personal and professional progress, mature students are invited to attend an orientation programme in late August/early September specifically designed for incoming mature students. You will be introduced to mature student supports at orientation.

What are my Study Options?

Courses at the University are offered online, full-time, or on a part-time basis. Details of full-time programmes are provided in this prospectus. Some of our courses are structured to allow you to move through the higher certificate, bachelor degree, honours bachelor degree, masters and PhD (doctorate) degree ladder system.



Application Process

Most of our full-time first year courses are offered through the CAO. The purpose of the CAO is to process applications for admission to the first year of undergraduate courses in institutions in the Republic of Ireland, and to do so in an efficient and fair manner. Application forms are completed online at www.cao.ie.

The Central Applications Office
Tower House
Eglinton Street
Galway

T: +353 (0)91 509 800

F: +353 (0)91 562 344

www.cao.ie

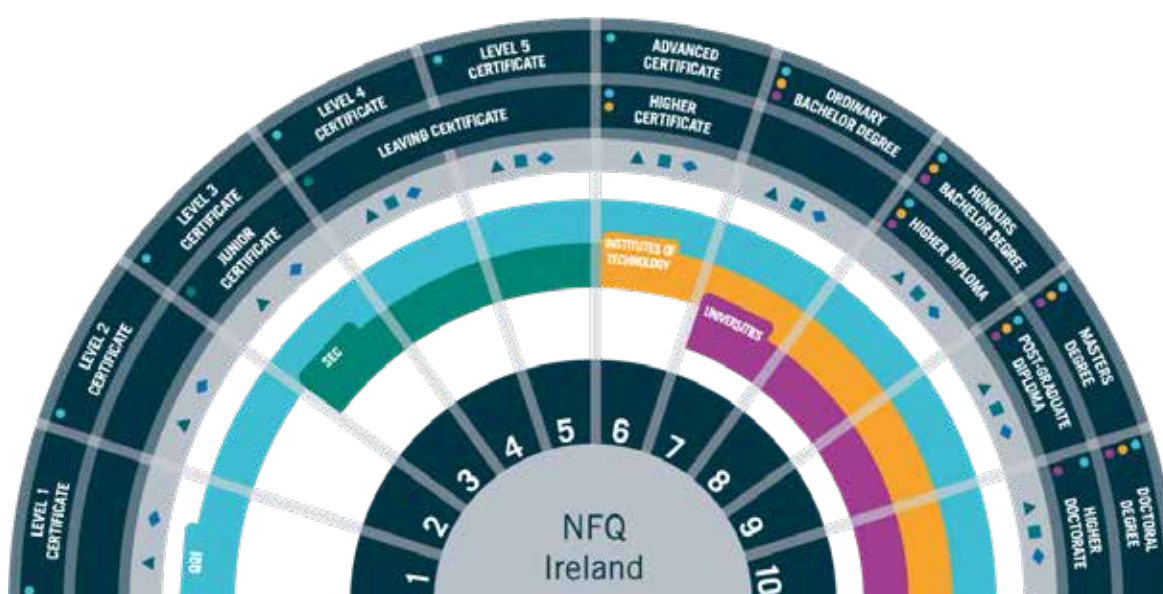
The National Framework of Qualifications

Established in 2003, the Irish National Framework of Qualifications (NFQ) is a 10-level, single national entity through which all learning achievements may be measured and related to each other. Underpinned by quality assurance principles, the Irish NFQ describes qualifications in the Irish education and training system and sets out what each qualification says about what learners know, understand and are able to do. It also sets out qualifications pathways from one NFQ level to the next.

Quality and Qualifications Ireland (QQI) is responsible for developing, promoting and maintaining the Irish NFQ. QQI also facilitates the recognition of foreign qualifications. Quality and Qualifications Ireland (QQI) is responsible for the external quality assurance of further and higher education and training. QQI is also responsible for the maintenance, development and review of the National Framework of Qualifications (NFQ).

Throughout this prospectus, you will see the NFQ level and award type to which a programme leads alongside other related information to help you understand and compare programmes of education and training.

The University offers a wide range of programmes through the CAO system at NFQ levels 6, 7 and 8. In addition, the University offers taught programmes at level 9 (postgraduate diploma or master's degree) and a wide range of postgraduate research programmes at level 9 (master's degree) and level 10 (PhD degree).



Course Structures at MTU

MTU has designed its courses in a very flexible way in order to give you the option of graduating at different levels – higher certificate, bachelor degree, honours bachelor degree, and postgraduate degree. This “ladder” system enables you to progress through the system to qualifications appropriate to your personal requirements.

Modularisation & Semesterisation

MTU operates a Credit Based Modular System. This is compliant with the European Credit Transfer System (ECTS). The academic year is divided into two equal halves, and each semester will normally consist of six modules each worth five credits.

What is a Semester?

A semester is half of an academic year. Each semester is of 15 weeks duration for which learners can earn 30 credits. Typically, Semester 1 begins in September and ends in January while semester 2 starts in January and ends in May.

What is a Module?

A module is a standalone unit of learning and assessment and is completed within one semester. A full-time student will normally study six modules in each semester; part-time and ACCS (Accumulation of Credits and Certification of Subjects) students will have flexibility as to the number of modules taken.

What are Credits?

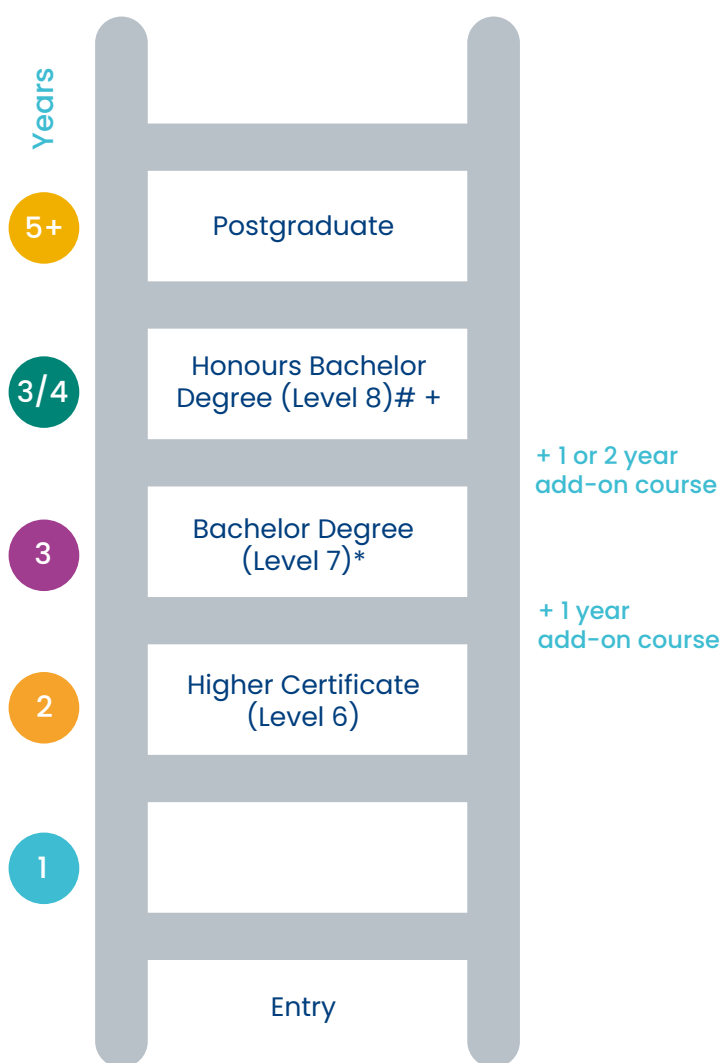
Credits are a measure of the amount of learning within a module. They are awarded to learners who successfully complete the assessments in a module. A full-time year of study is worth 60 credits; this is the European norm under the ECTS system.

MTU’s Progression Ladder

* For many bachelor degree courses, and some honours bachelor degree courses, students who successfully complete year two, and who do not wish to progress to year three, are eligible to receive a higher certificate award.

For some honours bachelor degree courses, students who successfully complete year three, and who do not wish to progress to year four, are eligible to receive a bachelor degree award. See individual course pages for details.

+ Some honours bachelor degree courses are three years in duration, exit awards are not available from these courses.



Business, Marketing, Management, and Accounting

Succeeding Together

CAO Code	NFQ Level	Course	Page
MT 942	8	Bachelor of Business (Honours) in Accounting	28
MT 550	7	Business [Common Entry] (BBus/BBus (Hons) Award Options)	29
MT 941	8	Bachelor of Business (Honours) [Common Entry]	30
MT 541	7	Bachelor of Business (Common Entry)	31
MT 551	7	Bachelor of Business in Business Administration	32
MT 944	8	Bachelor of Business (Honours) in Information Systems	33
MT 946	8	Bachelor of Science (Honours) in Global Business and Pilot Studies	34
MT 945	8	Bachelor of Business (Honours) in International Business with Language	35
MT 943	8	Bachelor of Business (Honours) in Marketing	36

Symbol Key:



Work Placement



Progression to the next NFQ level



Garda Vetting



Medical Required



Exit Award

Accounting (Honours)

Cuntasáíocht (Onóracha)

Application: CAO

CAO Code: MT 942

NFQ Level: 8

Award Title: Bachelor of Business (Honours) in Accounting

Duration: 4 Years (8 Semesters)

Places: 50

Location: MTU Bishopstown Campus, Cork



Entry 2022			
SCORE THE NECESSARY CAO POINTS AND MEET MINIMUM LEAVING CERTIFICATE REQUIREMENTS 6 SUBJECTS			
SUBJECTS 06/H7	SUBJECTS H5	MATHS GRADE	ENGLISH OR IRISH GRADE
4	2	04/H7	06/H7

Overview

The accounting function provides timely, relevant and accurate information to the management of the business. This information is also used to assess the financial 'health' of the business and to make plans for the future. Accountants are involved in making many decisions necessary for the efficient operation of a business. Therefore, a well-run accounting function is critically important to the long-term management of a business.

This four year honours degree programme offers an advanced specialist education in accounting; providing a firm base for either further academic study, a career in business or for the pursuit of a professional qualification with one of the accountancy bodies. MTU offers accounting students the benefit of small class sizes initially which assists with a smoother transition from second level. MTU accounting lecturers have professional qualifications and relevant industry experience.

Further Studies

Graduates with excellent exemptions from the professional accountancy bodies can enter industry or practice (i.e. work for an accounting practice). Suitably qualified graduates may apply to the MTU Master of Science in Applied Accounting which is offered on a part-time study mode basis. Graduates of this MSc programme will have one further year of training with their employer, after which they will be eligible to apply for membership of CPA Ireland.

Honours degree holders who achieve the specified level of academic performance are eligible to apply for a postgraduate course of study, both at MTU and at other third level colleges in Ireland and abroad.

Question Time

Is there work placement?

Formal work placement (minimum of 15 weeks) is an integral element of the course and takes place in year 3.

What do I need to do after qualifying in MT 942 to become an accountant?

After attaining your BBus (Honours) in Accounting, you need to fulfil the additional requirements of the accountancy body with which you wish to qualify. This typically requires 3 to 3½ years relevant work experience in conjunction with additional professional examinations.

Will I receive exemptions from the main professional bodies?

Yes. The BBus (Honours) in Accounting currently has excellent exemptions for Chartered Accountants Ireland, Chartered Institute of Management Accountants, Association of Chartered Certified Accountants, and Certified Public Accountants. These exemptions ensure that our graduates can minimise the number of exams necessary to qualify as an accountant after completing this honours degree.

If I did not study Accounting at Leaving Certificate level, can I study MT 942 Accounting?

Yes. You do not have to have studied accounting for Leaving Certificate as all modules in year 1 assume no prior knowledge of content.

What career options are available other than a professional accountant?

Accountancy is a relevant background for any career in business. Many leading CEOs have an accountancy qualification. Accounting graduates can work in management, finance, insurance, banking, risk and compliance, project management, management consultancy, teaching and lecturing.

Contact Information

Sylvia Dempsey
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E: sylvia.dempsey@mtu.ie



Career Opportunities

Graduates from MTU accounting programmes secure employment within accountancy practices and also as accountants in industry. Prior graduates have secured training positions with "Big 4" accountancy firms (PwC, KPMG, EY, and Deloitte), and with medium and small accountancy firms. Industry employers include Apple, Dell Technologies, Dairygold, Kerry Group, Quintas, Musgrave Group, South Western Services (SWS), Financial Control Outsourcing Services (FCOS), PepsiCo, Bank of New York Mellon, and State Street Bank.

- Accountant in practice
- Accountant in industry
- Banking/Finance
- Business analyst
- Management consultant
- Purchasing & procurement
- Self employed/entrepreneur
- Supply chain analyst
- Teaching and lecturing



First Year at a Glance

- Financial Accounting: preparing accounts for business
- Cost & Management Accounting: understanding accounting for decision making
- Economics: understanding how people use resources
- Law: understanding the legal system and how it affects business in Ireland
- Exploring the role of a manager in business
- Understanding the role of marketing for a company
- Learning to work with computerised accounts software, e.g. Sage



Business (Common Entry)

Gnó (Iontráil Chomónta)

Application: CAO

CAO Code: MT 550

NFQ Level: 7

Award Title: Depends on specialisation. Choose from:

- Bachelor of Business
- Bachelor of Business in Marketing
- Bachelor of Business (Honours) in Accounting

Duration: 3/4 Years (depends on specialisation)

Places: Course size: 200 / Class size: 50

Location: MTU Bishopstown Campus, Cork

Entry 2022

SCORE THE NECESSARY CAO POINTS AND MEET
MINIMUM LEAVING CERTIFICATE REQUIREMENTS
5 SUBJECTS

SUBJECTS 06/H7	SUBJECTS H5	MATHS GRADE	ENGLISH OR IRISH GRADE
5	0	06/H7	06/H7



Overview

If you would like to undertake and engage in an extensive range of business disciplines, with the opportunity and flexibility to choose a specialism such as business (general) or accounting or marketing, you should apply for MT 550.

Students applying under MT 550 share a common first year and then choose their preferred degree at the end of year 2. This gives students the opportunity to study a wide variety of business modules before deciding which stream they wish to pursue. Students can choose from the following degree programmes (formal work placement, minimum of 15 weeks, is an integral element of the course and takes place in year 3):

1. Bachelor of Business (Level 7)

This business programme provides the knowledge and skills necessary to contribute effectively within a business and management setting and is designed to provide a solid foundation for success in a wide variety of business career options.

2. Bachelor of Business in Marketing (Level 7)

The marketing programme focuses on the concepts, theory, processes and techniques of marketing necessary to function in a marketing environment, sales or customer service roles with particular emphasis on the skills required within the digital economy.

3. Bachelor of Business (Honours) in Accounting (Level 8)

The accounting programme focuses on the specialist education and training necessary to enable graduates to gain employment in an accounting/financial capacity in any business sector. At the end of year 1, students can choose the accounting stream. On successful completion of year 2, students will transfer to year 3 of the Bachelor of Business (Honours) in Accounting (Level 8) programme.

Further Studies

Subject to availability of places and specialisation, suitably qualified Level 7 graduates are eligible to apply for entry to year 4 (final year) of:

- Bachelor of Business (Honours) or
- Bachelor of Business (Honours) in Marketing

The Bachelor of Business (Level 8) satisfies the degree requirements of the Teaching Council. A postgraduate programme of initial teacher education, accredited by the Teaching Council, consisting of two years full-time study or 120 ECTS credits must subsequently be completed to be eligible for registration with the Teaching Council.

Question Time

What is the advantage of doing the Common Entry degree?

If you would enjoy exploring a broad range of business topics, with the opportunity to choose a business specialism such as business, or accounting or marketing at a later stage, you should apply for MT 550. If, however, you are confident that accounting or marketing is your preference, you should consider applying for the relevant Level 8 course (i.e. MT 943 BBus (Honours) in Marketing or MT 942 BBus (Honours) in Accounting) which specialises in that area from year 1.

Is there a European language requirement for the course?

No, however, students who pursue French as an elective in year 1 are expected to have completed a French course at Leaving Certificate level.

Will I be at a disadvantage if I did not study business or accounting in the Leaving Certificate?

No, the core fundamentals of accounting and business are delivered in year 1.

Contact Information

Trudie Murray
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E: trudie.murray@mtu.ie



Career Opportunities

Depending on specialisation

- Accounting
- Brand management
- Business development
- Human resource management
- Marketing and marketing research
- Sales and sales management
- Supply chain management
- Teaching
- Logistics
- Finance



First Year at a Glance

- Mathematics: the study of mathematics supports the study of accounting, and financial management
- Information Technology: development of information technology (IT) skills
- Economics: this gives students an essential understanding of the environment in which businesses operate
- Communication Skills: assists students in the transition to third-level education; team projects, oral and written presentation skills, and develop important personal and professional skills for the business world
- Fundamentals of management: this acts as a foundation for the subsequent study of Contemporary Management, Marketing, and Human Resource Management
- Financial Accounting: this is the first of a number of accounting modules offered to students throughout the courses
- It is encouraged that students take a foreign language for the benefits they will derive from it in their careers, however, this is optional



Business (Honours) (Common Entry)

Gnó (Onóracha) (Iontráil Chomónta)

Application: CAO

CAO Code: MT 941

NFQ Level: 8

Award Title: Depends on specialisation. Choose from:

- Bachelor of Business (Honours) in Marketing
- Bachelor of Business (Honours) in Management
- Bachelor of Business (Honours) in Accounting

Duration: 4 Years (8 Semesters)

Places: 40

Location: MTU Kerry North Campus

Entry 2022

SCORE THE NECESSARY CAO POINTS AND MEET
MINIMUM LEAVING CERTIFICATE REQUIREMENTS
6 SUBJECTS

SUBJECTS 06/H7	SUBJECTS H5	MATHS GRADE	ENGLISH OR IRISH GRADE
4	2	06/H7/F2*	06/H7

*A grade of F2 or above in foundation level Maths fulfils the Maths entry requirements for this programme.



Overview

This programme has been fine-tuned to create a structured business education that launches you into a successful career in business. You will gain a thorough grounding in the principles and practice of finance, marketing (including digital media and social media marketing), management, creative problem solving and information technology. During the first year, students will study common modules, as they progress into second year they will be offered a choice of specialisms (choose 1):

- Marketing
- Accounting
- Management

Studying at MTU Kerry Campus means exposure to a rich culture of entrepreneurship, giving you access to a range of highly successful businesses at the on-site Kerry Technology Park. The international reach of the department is seen in the network of over 100 partner institutions across the EU, Canada, China and further afield, giving our students the option of studying abroad during the programme.

Work placement is an integral element of the course and takes place in year three. The duration of work placement can vary from 12 weeks to 8 months with placements based locally, nationally and internationally. This provides students with valuable industry experience and in many cases results in graduate employment opportunities.

Further Studies

Suitably qualified Level 8 Honours graduates are eligible to progress to taught master programmes or to research at either master or PhD level.

Accreditation

Our degrees are accredited by relevant professional bodies. For example, if you complete a Level 8 Bachelor of Business (Honours) in Accounting, you will gain maximum exemptions for the Association of Chartered Certified Accountants (ACCA) professional accounting qualification. If you complete the Level 8 Bachelor of Business (Honours) in Marketing, you are eligible to sit the Marketing Institute of Ireland (MII) Qualified Marketer examination.

Contact Information

Ray O'Connor Desmond
T: +353 (0)66 719 1659
E: ray.oconnordesmond@mtu.ie



Career Opportunities

Former graduates have secured employment with a wide range of employers including Kerry Group, Dell, Microsoft, Pricewaterhouse Coopers, Berlitz, GlaxoSmithKline, KPMG, European Central Bank, Novartis, Deloitte and EY.

With the broad range of subjects studied during the programme, career opportunities are very varied. Graduates are working in the following areas:

- Accounting
- Financial services
- Sales and marketing executive
- Brand management
- Account director
- Marketing research specialist
- Public relations
- Digital marketing management
- Teaching/lecturing
- Supply chain management
- Human resource management
- Retail management



First Year at a Glance

- Introduction to Management: offers students an introduction to business management ideas and concepts
- Principles of Accounting: gives students an ability to understand the fundamental concepts of recording financial information and the preparation of final accounts
- Foundations of Marketing: provides students with their first introduction to the subject of marketing. The value of this important business practice is explained throughout this course
- Communication: promotes both verbal and written effective communication in an academic and professional context
- Microeconomics: introduces students to the effects of actions of consumers and firms on the economy
- Behavioural Science: gives students an appreciation for the rationale behind a variety of human resource management concepts



Business (Common Entry)

Gnó (Iontráil Chomónta)

Application: CAO

CAO Code: MT 541

NFQ Level: 7

Award Title: Depends on specialisation. Choose from:

- Bachelor of Business in Marketing
- Bachelor of Business in Management
- Bachelor of Business in Accounting

Duration: 3 Years (6 Semesters)

Places: 40

Location: MTU Kerry North Campus

Entry 2022			
SCORE THE NECESSARY CAO POINTS AND MEET MINIMUM LEAVING CERTIFICATE REQUIREMENTS 5 SUBJECTS			
SUBJECTS 06/H7	SUBJECTS H5	MATHS GRADE	ENGLISH OR IRISH GRADE
5	0	06/H7/F2*	06/H7

*A grade of F2 or above in foundation level Maths fulfils the Maths entry requirements for this programme.



Overview

The Bachelor of Business course is designed to give a clearly structured business education that provides a solid foundation for a successful career. You will gain a thorough grounding in the principles and practice of accounting and finance, marketing (including digital media and social media marketing), management, creative problem solving and information technology. During first year students will study common modules, as they progress into second year they will be offered a choice of specialisms (choose 1):

- Marketing
- Accounting
- Management

Studying at MTU Kerry Campus means plugging into a rich culture of entrepreneurship, giving you access to a range of highly successful businesses at the on-site Kerry Technology Park. The international reach of the department is seen in the network of over 100 partner institutions across the EU, Canada, China and further afield, giving our students the option of studying abroad during the programme.

Further Studies

Depending on the specialism choice at the end of first year, suitably qualified Level 7 graduates are eligible to progress to year 4 (final year) of:

- Bachelor of Business (Honours) in Marketing
- or
- Bachelor of Business (Honours) in Accounting
- or
- Bachelor of Business (Honours) in Management

Question Time

Will I be at a disadvantage if I did not study business or accounting in the Leaving Certificate?

No, the core fundamentals of accounting and business are delivered in year 1 and all modules in year 1 assume no prior knowledge of content.

Contact Information

Ray O'Connor Desmond
T: +353 (0)66 719 1659
E: ray.oconnordesmond@mtu.ie



Career Opportunities

With the broad range of subjects studied during the programme, career opportunities are very varied. Past graduates are working in the following areas:

- Accounting technician
- Financial services
- Business administration
- Sales and selling
- Public relations
- Digital marketing
- Social media marketing
- Supply chain specialist
- Retailing
- Human resource management



First Year at a Glance

- Introduction to Management: offers students an introduction to business management ideas and concepts
- Principles of Accounting: gives students an ability to understand the fundamental concepts of recording financial information and the preparation of final accounts
- Foundations of Marketing: provides students with their first introduction to the subject of marketing. The value of this important business practice is explained throughout this course
- Communication: promotes both verbal and written effective communication in an academic and professional context.
- Microeconomics: introduces students to the effects and actions of consumers and firms on the economy
- Behavioural Science: gives students an appreciation for the rationale behind a variety of human resource management concepts



Business Administration

Riarachán Gnó

Application: CAO

CAO Code: MT 551

NFQ Level: 7

Award Title: Bachelor of Business in Business Administration

Duration: 3 Years (6 Semesters)

Places: 65

Location: MTU Bishopstown Campus, Cork



Entry 2022

SCORE THE NECESSARY CAO POINTS AND MEET
MINIMUM LEAVING CERTIFICATE REQUIREMENTS
5 SUBJECTS

SUBJECTS 06/H7	SUBJECTS H5	MATHS GRADE	ENGLISH OR IRISH GRADE
5	0	06/H7	06/H7

Overview

Business administration incorporates many types of management positions. From major corporations to independent businesses, every operation needs highly skilled administrators in order to succeed. The programme provides students with a unique blend of technical and business skills that are required for the organisation and management of business tasks. This is a practical, skills-focused programme, exposing students to the most up-to-date technologies that businesses are using.

The programme aims to provide students with the technologies and practices which are essential to a modern organisational environment. Students will have the opportunity to learn a wide range of fundamental skills including; document presentation, desktop publishing, spreadsheets, accounting, marketing, management, human resource management (HRM), web design, management information systems, public relations, digital marketing, social media, project management, supply chain management, and more.

In year 3, students undertake a minimum fifteen week work placement/internship. Students will have the benefit of an academic mentor from MTU and a mentor in the workplace. Feedback from students and our industry partners has been very positive to date. In many cases, students have secured full-time employment as a result of the placement.

Further Studies

Graduates who achieve the specified level of academic performance are eligible to apply for entry to the one year add-on:

- BBus (Honours) in Business Administration (Level 8)
or
- BBus (Honours) in Business (Level 8)

Honours degree holders who achieve the specified level of academic performance are eligible to apply for a postgraduate course of study, both at MTU and at other third level colleges in Ireland and abroad.

The Bachelor of Business Honours degree (Level 8) satisfies the degree requirements of the Teaching Council. A postgraduate programme of Initial Teacher Education, accredited by the Teaching Council, consisting of two years full-time study or 120 ECTS credits must subsequently be completed to be eligible for registration with the Teaching Council.

Question Time

Are there language recommendations for the programme?

If taking French as an elective in year 1, students are expected to have Leaving Certificate French. Languages German and Spanish are at beginner level.

What are the typical student numbers in first year?

First year course/class size is approximately 65. Computer lab groups are a maximum of 20.

How much Information Technology (IT) is involved in the programme?

Over a third of the programme modules are focused on developing IT skills and working with business related software packages.

Contact Information

Mary Oldham
T: +353 (0)21 432 6128
E: mary.oldham@mtu.ie



Career Opportunities

Business Administration graduates have gone on to pursue a wide variety of careers in areas such as administration, human resource management, marketing, supply chain management, IT, financial and shared services, banking, insurance, media, customer service, health service, local authorities, and fund services.

- Business analytics
- Key account manager
- Customer relationship management
- Human resource management
- Supply chain management
- Digital marketing
- Financial services



First Year at a Glance

- Introduction to web design, search engine optimisation (SEO) and website maintenance along with IT applications including document production and the use of other MS Office applications
- Students' ability to summarise information and deliver individual and team presentations to live audiences is developed
- Students will significantly enhance their IT skills throughout each year of the programme, along with learning in areas such as management, marketing, and accounting, in preparation for their internship in year 3



Business Information Systems (Honours)

Córais Faisnéise Gnó (Onóracha)

Application: CAO

CAO Code: MT 944

NFQ Level: 8

Award Title: Bachelor of Business (Honours) in Information Systems

Duration: 4 Years (8 Semesters)

Places: 100

Location: MTU Bishopstown Campus, Cork



Entry 2022
SCORE THE NECESSARY CAO POINTS AND MEET
MINIMUM LEAVING CERTIFICATE REQUIREMENTS
6 SUBJECTS

SUBJECTS 06/H7	SUBJECTS H5	MATHS GRADE	ENGLISH OR IRISH GRADE
4	2	06/H7	06/H7

Overview

Business Information Systems is a comprehensive blend of business and technology subjects that equips students with the skills and knowledge required to develop, manage and use information technology systems and solutions in a variety of business environments. This will include a knowledge of management; digital marketing; financial and management accounting; information communication; technology strategy; computer applications; enterprise resource planning systems; systems integration; legal studies; entrepreneurship; international business; project management; systems analysis; design and development; big data; business analytics, and cloud computing.

The aim of the honours degree is to educate and train students in a wide range of business and information systems skills. The course is assessed by end of module examination and through a significant amount of continuous assessment and project work throughout the four years. The programme represents 50% business and 50% technology knowledge.

In year 3, students will have the option to complete a work placement (minimum of 15 weeks) in an IT related role in business. It will involve a set of agreed objectives for your placement, as well as the assistance of a supervisor on site and a member of the academic staff at MTU.

Further Studies

Honours degree holders who achieve the specified level of academic performance are eligible to apply for a postgraduate course of study, both at MTU and at other third level colleges in Ireland and abroad.

Question Time

What level of proficiency with computers do you need?

Subjects are taught at an introductory level in year 1.

What kind of programming is involved?

Programming is an important skill to have in the area of business information systems. HTML, CSS, Python, C#, and PHP are some of the exciting and useful programming languages that you will be working on.

What information technology (IT) topics are involved?

IT topics covered on the course include systems analysis and design, database design and management, computer networks, information systems project management, web applications development, and enterprise systems. Students will study big data, business analytics alongside ethics and privacy.

Graduates will have an in-depth knowledge of information systems theory, principles, processes and techniques pertaining to the design, development, implementation, maintenance and support of an information system, meeting appropriate standards and regulations.

Contact Information

Martin Connolly
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E: martin.connolly@mtu.ie



Career Opportunities

The graduate develops a large range of skills and abilities which may lead to employment in diverse jobs/areas such as business analytics roles; systems analyst; project manager; management consultant; systems administrator; webmaster; business analyst; customer relationship management; management accountant; purchasing and supply chain management; logistics; business development manager; enterprise systems manager; operations management; financial analyst; marketing and market research across a large variety of industries, including manufacturing, food processing, software, as well as banking and financial services.

- IT consultant
- Business analyst
- IT developer
- Project manager
- IT support
- Business analytics



First Year at a Glance

- Introduction to basic programming
- Understanding the role of the manager and the business environment in which they work
- An insight into how information systems support business
- An introduction to marketing and the world of digital marketing
- Small computer lab classes where you will learn word processing, spreadsheets, presentations and databases
- Understand how computers communicate with each other



Global Business and Pilot Studies (Honours)

Staidéar Gnó agus Píolóta Domhanda (Onóracha)

Application: CAO

CAO Code: MT 946

NFQ Level: 8

Award Title: Bachelor of Science (Honours) in Global Business and Pilot Studies

Duration: 4 Years (8 Semesters)

Places: 20

Location: MTU Bishopstown Campus, Cork,
and Atlantic Flight Training Academy (AFTA), Cork Airport



Entry 2022

SCORE THE NECESSARY CAO POINTS AND MEET
MINIMUM LEAVING CERTIFICATE REQUIREMENTS
6 SUBJECTS

SUBJECTS 06/H7	SUBJECTS H5	MATHS GRADE	ENGLISH OR IRISH GRADE
4	2	06/H7	06/H7

NOTE: Applicants must successfully complete an assessment by our approved training organisation partner, Atlantic Flight Training Academy. This may involve a simulator assessment, an interview and a medical assessment. For more information on this, please visit <https://afta.ie/how-to-become-a-pilot/>

NOTE: There is a substantial non-standard cost associated with completing this programme as the aviation aspect of the programme is not covered by Government supports. This must be considered by all applicants. Visit www.mtu.ie/MT946

Overview

This is an ab-initio programme that provides embedded pilot training as part of a level 8 degree. This programme will see students study on campus for one year, undertake pilot training for a further two years, and then complete the final year of study online while working.

For prospective pilots, the ability to complete flight training together with an honours degree provides the student with a unique opportunity to take a blended approach to becoming a professional pilot.

The benefit of being able to experience life on campus enables students to develop social and interpersonal skills. The final year of the programme affords students the opportunity to complete their third level studies whilst working as a pilot through the delivery of exclusively online lectures tailored for actively working aviation professionals.

Further Studies

Graduates of this Level 8 degree may be eligible to apply for postgraduate programmes at MTU.

- MA in Global Business Practice
- MSc in International Business
- MSc in Digital Marketing Strategy
- MBA in Strategy
- Master & PhD by research

Question Time

Do I need to attend classes in Cork?

Classes for year 1 are completed on the MTU Bishopstown Campus, Cork. Years 2 & 3 will be completed at AFTA, Cork Airport. Year 4 is delivered online.

Is this award internationally recognised?

Yes. All MTU awards are mapped to the National Framework of Qualifications which in turn is mapped to the European Framework for Qualifications. This allows for mutual recognition and through that, world-wide validity. Both NFQ and EFQ are legislation-based entities.

Upon completion of studies at AFTA, each cadet will have attained a fATPL, consisting of a Commercial Pilot's Licence (CPL), Multi-Engine Instrument Rating (MEIR), will have completed an APS MCC course, and an UPRT training.

Is the programme mainly focused on aviation?

The key benefit of this programme is undertaking a programme that trains you as a pilot while also developing your business skills. Years 1 and 4 are mainly business and years 2 and 3 are mainly aviation.

When I commence flight training at AFTA, am I still considered a MTU student?

Yes, enrolled students will be registered MTU students throughout the programme. This will confer access to all of MTU's facilities.

Contact Information

Dr Pio Fenton
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E: aviation@mtu.ie



Career Opportunities

This pathway enables students to gain a broad understanding of international business while undertaking their training to become a pilot. Decision making and teamwork skills are enhanced during these stages which lend themselves to increasing the abilities of the student and creating a better equipped pilot. The competencies developed during this programme will help put students in a position whereby they can progress their professional aviation careers (as pilots) in an industry that is multi-faceted and where transferable skills are invaluable.



First Year at a Glance

- Develop an understanding of global business issues – as many Irish businesses and multinational companies trade internationally, this skill is in strong demand
- Find out more about marketing, management, and culture. Culture is an essential element of this programme as it broadens your insight into the wider world
- Build your teamwork and interpersonal skills by complementing your knowledge with strong interpersonal skills
- Develop some skills and knowledge that may be useful in undertaking your flight training



International Business with Language (Honours)

Gnó Idirnáisiúnta mar aon le Teanga (Onóracha)

Application: CAO

CAO Code: MT 945

NFQ Level: 8

Award Title: Bachelor of Business (Honours) in International Business with Language

Duration: 4 Years (8 Semesters)

Places: 40

Location: MTU Bishopstown Campus, Cork



Entry 2022
SCORE THE NECESSARY CAO POINTS AND MEET
MINIMUM LEAVING CERTIFICATE REQUIREMENTS
6 SUBJECTS

SUBJECTS 06/H7	SUBJECTS H5	MATHS GRADE	ENGLISH OR IRISH GRADE	RELEVANT LANGUAGE
4	2	06/H7	06/H7	01/H4 (NOTE 1)

NOTE 1: Please note the H4 grade in a relevant language can also be used to satisfy one of the H5 entry requirements.

Overview

This programme is geared at meeting the skills shortage that has been identified for roles in businesses operating in various international environments. This may relate to business development, project management, supply chain management and other areas. Students will develop a broad understanding of business issues with an international perspective, while also studying a language of their choice. Topics such as culture, management, negotiation, trade, law, and much more underpin the programme.

In year 3, students will undertake a mandatory semester abroad in a country where the language they are learning is spoken widely. The programme has been designed to ensure that students have a wide range of opportunities upon completion. The semester abroad gives the student the opportunity to develop language skills and to develop a broader understanding of international cultures. While on semester abroad, some students will seek placement, which MTU will recognise, while others will seek to study for the semester. Where a student pursues a placement they do so under their own responsibility but with CV, interview and career guidance from MTU.

This programme has been revised recently to ensure that students have more opportunity to specialise through a broader range of modules on offer and through enhanced elective choices.

Further Studies

Graduates may apply to professional bodies and may be exempt from certain examinations. Suitably qualified graduates are eligible to apply for postgraduate degrees at MTU:

- MSc in Marketing Practice
- MA in Global Business Practice
- MA in Human Resource Management
- MSc in Digital Marketing Strategy
- MBA in Strategy
- MBus (by Research)
- PhD

Question Time

What are the arrangements for the semester abroad?

In the second semester of year 3, you will undertake a mandatory semester abroad where you will develop your language and business skills. Some students decide to spend all of year 3 in the country of their language – generally France, Germany or Spain. Students who opt to spend the first semester of year 3 abroad take a study programme.

For the mandatory semester, students may choose to either study or seek a work placement in that country. Where a student seeks a placement, they do so using their own responsibility and initiative. MTU offers guidance and support around this but cannot guarantee a placement for any student. To date about 50% have undertaken a placement element. Most study or placement opportunities are supported by ERASMUS+ Mobility Grant.

The semester abroad is an integral part of the programme and is core to your development throughout the programme. Employers value the experience of those that have worked or studied abroad greatly.

How strong will my language ability be upon completion of the programme?

Your language development is a key part of your skill repertoire upon completing this programme. It has been designed so that you develop from a post Leaving Certificate level of ability to a level of fluency that will allow you to communicate effectively in any business or social situation.

Contact Information

Dr Pio Fenton
T: +353 (0)21 433 5922
E: pio.fenton@mtu.ie



Career Opportunities

Graduates may pursue careers in a wide number of areas including business development, management, international marketing, multi-territory sales, new product development, logistics management, customer relationship management, international project management, trade promotion and development, services marketing and a wide variety of roles where a second European language is valued.

- International business development
- International sales management
- Project and operations management
- Logistics associate/manager
- Supply chain manager/associate
- Global project coordinator
- International fundraising manager
- Global human resources officer
- Innovation specialist

Employers value employees who have lived abroad and we find that this is reflected in success for graduates of this programme at interviews.



First Year at a Glance

- Develop an understanding of global business issues – as many Irish businesses and multinational companies trade internationally, this skill is in strong demand
- Find out more about marketing, management, and culture. Culture is an essential element of this programme as it broadens your insight into the wider world
- Build your teamwork and interpersonal skills by complementing your knowledge with strong interpersonal skills
- Further your knowledge of a language of your choice (French, Spanish, or German) and commence your journey to having a very strong business level proficiency after 4 years



Marketing (Honours)

Margaíocht (Onóracha)

Application: CAO

CAO Code: MT 943

NFQ Level: 8

Award Title: Bachelor of Business (Honours) in Marketing

Duration: 4 Years (8 Semesters)

Places: 100

Location: MTU Bishopstown Campus, Cork



Entry 2022

SCORE THE NECESSARY CAO POINTS AND MEET
MINIMUM LEAVING CERTIFICATE REQUIREMENTS
6 SUBJECTS

SUBJECTS 06/H7	SUBJECTS H5	MATHS GRADE	ENGLISH OR IRISH GRADE
4	2	06/H7	06/H7

Overview

Marketing is essential to modern day business. It is the process of identifying, anticipating and satisfying customer requirements profitably.

In year 1, students cover a range of business topics and will explore how the digital world has had an impact on marketing. Skills that are developed include selling skills and information technology (IT). Throughout both semesters there is an emphasis on communication and some general business topics.

In year 2, students delve further into various areas of marketing with particular focus on customers and how they can be understood. Emphasis is placed on digital marketing with further attention paid to areas like, market research, retail marketing and content creation.

In Year 3, students undertake a variety of modules to develop their knowledge of marketing. Throughout this semester, students experience live-case assessments where students work on real world problems for companies.

Students will have the opportunity to participate in industrial placement (minimum of 15 weeks) with roles in various companies available. Students will be prepared for placement and will focus on digital and social media marketing as well as other areas.

Year 4, the final year of the course, has a strategic focus. This includes emphasis on strategy, finance and PR. Other topics covered include marketing metrics and sales strategy. Brand Management is a mandatory module and elective modules include Social Marketing, Fashion Marketing and Sports Marketing. Aviation & Tourism Marketing and Sustainable Business are also offered as electives.

Further Studies

Graduates may apply to professional bodies and may be exempt from certain examinations. Suitably qualified graduates are eligible to apply for postgraduate degrees at MTU:

- MA in Global Business Practice
- MA in Public Relations with New Media
- MSc in Digital Marketing Strategy
- MSc in Marketing Practice
- MBA in Strategy
- MBus (by Research)
- PhD

Question Time

I am interested in Marketing, should I choose Level 7 MT 550 or Level 8 MT 943?

If you would like a broad range of business topics, with the opportunity to choose a business specialism such as marketing, business, or accounting, you should apply for Level 7 MT 550 Business (Common Entry). Please visit www.mtu.ie/MT550 for more information.

If, however, you are confident that Marketing is your preference, you should consider applying for Level 8 MT 943 which specialises in this area from year 1.

If I am not doing any of the recommended subjects in the Leaving Certificate, can I still apply for this course?

Yes, the core fundamentals are delivered in year 1 and we assume that students have not taken these subjects.

Contact Information

Dr Pio Fenton

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E: pio.fenton@mtu.ie



Career Opportunities

Graduates have a broad range of careers available to them. Advertising, promotion, digital marketing, social media development, sales management, direct marketing, event management, reputation management, services marketing, and international sales and management are all areas where our graduates have found solid career opportunities.



First Year at a Glance

- Learn the basic principles of marketing
- Develop skills around selling and sales
- Find out how marketing can help a business
- Explore how social media and the digital environment are changing business
- Learn a language: French, Spanish or German (optional)
- Discover how people in business think, act and view the world and the kind of competencies, character traits and behaviours they rely on







Culinary Arts, Hospitality, and Tourism

Succeeding Together

CAO Code	NFQ Level	Course	Page
MT 553	7	Bachelor of Business in Beverage Industry Management	40
MT 555	7	Bachelor of Business in Culinary Arts	41
MT 655	6	Higher Certificate in Arts in Culinary Studies	42
MT 940	8	Bachelor of Arts (Honours) in Event Management	43
MT 556	7	Bachelor of Arts in Food Business Innovation	44
MT 930	8	Bachelor of Arts (Honours) in Home Economics and Business	45
MT 554	7	Bachelor of Business in Hospitality Management	46
MT 654	6	Higher Certificate in Arts in Hospitality Studies	47
MT 947	8	Bachelor of Business (Honours) in Tourism Management	48
MT 552	7	Bachelor of Business in Tourism Management	49

Symbol Key:



Work Placement



Progression to the next NFQ level



Garda Vetting



Medical Required



Exit Award

Beverage Industry Management

Bainistíocht Tionscal Dí

Application: CAO

CAO Code: MT 553

NFQ Level: 7

Award Title: Bachelor of Business in Beverage Industry Management

Duration: 3 Years (6 Semesters)

Places: 25

Location: MTU Bishopstown Campus, Cork



Entry 2022	SCORE THE NECESSARY CAO POINTS AND MEET MINIMUM LEAVING CERTIFICATE REQUIREMENTS 5 SUBJECTS			
	SUBJECTS 06/H7	SUBJECTS H5	MATHS GRADE	ENGLISH OR IRISH GRADE
	5	0	06/H7	06/H7

Overview

The Bachelor of Business in Beverage Industry Management course develops the student's knowledge of the concepts and processes that are essential for sound managerial practice in the area, along with imparting operational skills in areas such as drinks service and stylish food preparation and service. Recent changes in the industry have led to the development of modules in brewing and distillation with separate certification from the Institute of Brewing and Distilling.

The work placement is a core aspect of the course and allows the student the opportunity to apply the knowledge, insight and skills gained in class to the workplace under the guidance of an experienced industry professional and is supported by the University.

The course is taught in a modern building, which is one of the finest tourism and hospitality buildings in Europe and includes a stylish training bar, a demonstration theatre, training restaurants, IT labs and well equipped classrooms. In addition, students have easy access to the wider University facilities such as an excellent library, IT facilities, sports and recreation facilities, and other student supports including a wide array of clubs and societies to suit every student's interests and tastes.

Strong practical content in early years of study, along with our graduates' broad range of knowledge, skills and competencies, have meant that they are a candidate of choice for a variety of organisations and many have gone on to become entrepreneurs, owning their own successful business.

Further Studies

Suitably qualified graduates are eligible to apply for entry to the one year add-on

- Bachelor of Business (Honours) in Hospitality Management

Honours degree holders who achieve the specified level of academic performance are eligible to apply for a postgraduate course of study, both at MTU and at other third level colleges in Ireland and abroad.

Question Time

What level of business is incorporated into the course?

The course blends the skills of business management approximately 50/50 with the skills and knowledge needed for beverage industry management. Business skills attained during the course complement career options and improve the future prospects of graduates.

Should I have experience in bar work in advance of applying for this course?

Some experience in the licenced trade is an ideal preparation for undertaking a career in beverage industry management, however, this is not a requirement for entry to this course.

Contact Information

Gail Cotter

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E: gail.cotter@mtu.ie



Career Opportunities

Graduates will find that there are opportunities to use their knowledge both in Ireland and abroad. This degree offers students the opportunity to acquire appropriate managerial skills and techniques that will enable them to be effective and efficient in beverage industry management and related areas such as retail and the food and entertainment industries.

- Bar management
- Bar training & education
- Wine retailing and sommelier
- Hotel, restaurant, catering management
- Stock control
- Club management
- Entrepreneurship/bar business ownership
- Brewing industry



First Year at a Glance

- The theory and practice of bar operations and associated legislation
- Learn about food preparation and service as suitable for licenced premises
- Introduction to information technology (IT)
- Wine appreciation and its service
- Learn about the business side of pubs and other licenced premises
- Develop the personal skills and attributes to manage effectively



Culinary Arts

Ealaíona Cócaireachta

Application: CAO

CAO Code: MT 555

NFQ Level: 7

Award Title: Bachelor of Business in Culinary Arts

Duration: 3 Years (6 Semesters)

Places: 32

Location: MTU Bishopstown Campus, Cork



Entry 2022
SCORE THE NECESSARY CAO POINTS AND MEET
MINIMUM LEAVING CERTIFICATE REQUIREMENTS
5 SUBJECTS

SUBJECTS 06/H7	SUBJECTS H5	MATHS GRADE	ENGLISH OR IRISH GRADE
5	0	06/H7	06/H7

Overview

The culinary arts make a significant contribution to the worldwide hospitality and tourism industries. The key aim is to develop a well-educated graduate with the ability to learn and adapt to meet new challenges in both their education and professional development. We have a strong emphasis on student centred learning, using methods which include formal lectures, tutorials, visiting lecturers, site visits, and both individual and team project work.

Students study modules such as Culinary Arts Principles, Larder & International Cuisine, Food Safety, Creativity, IT, Management, Kitchen Design, Wine Appreciation, Operations and Business subjects. The work placement is an intrinsic part of the programme in terms of developing the students understanding of the organisation and its procedures, as it gives experience in a real-life setting. It is supported by a staff member, who works with a workplace mentor, to ensure that each student achieves their maximum potential.

The Tourism and Hospitality building is one of the foremost in the country and includes modern production kitchens, IT laboratories, a demonstration theatre, training restaurants, training bar and fully equipped classrooms.

In the past, students under the guidance of an experienced academic staff member, have won prestigious titles such as the "Knorr Chef of the Year", TV3's "Head Chef", and the "Dunhill Cuisine Award for Best Commercial Food Product". With their tutors' guidance, students also regularly compete in competitions such as AEHT, CATEX, and Eurotoque and have successfully won prizes in all of these competitions.

Further Studies

Suitably qualified graduates are eligible to apply for entry to the one year add-on

- Bachelor of Business (Honours) in Culinary Entrepreneurship
- or
- Bachelor of Business (Honours) in Hospitality Management

Honours degree holders who achieve the specified level of academic performance are eligible to apply for a postgraduate course of study, both at MTU and at other third level colleges in Ireland and abroad.

Question Time

What is the difference between Culinary Arts and Culinary Studies?

Culinary Arts provides a broad range of learning which combines the skills of business management with the skills of culinary activity. This provides an ideal combination of skills for the successful operation of many food related business enterprises.

Culinary Studies is a course more specifically designed for those who aspire to be chefs and it therefore focuses on the key skills required by chefs at all kitchen levels, in larger or smaller operations.

How long is the work placement?

There is a mandatory work placement over the entire summer at the end of year 1.

Is it possible to open your own business with this qualification?

Quite a number of graduates have opened their own businesses such as restaurants or food service companies, or have gone on to develop and produce a food product for retail sales.

Contact Information

Catherine O'Mahony
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E: catherine.omahony@mtu.ie



Career Opportunities

Graduates work in a range of diverse organisations of the food sector, ranging from senior chefs in 5 star hotels, gourmet restaurants, stylish bistros to catering and events companies and food product companies, along with food education. Many graduates go on to establish their own business. A culinary arts degree provides a wide array of opportunities to work in other countries in both culinary and food related fields.

- Hotels and restaurants
- Food marketing & product development
- Pastry & confectionary
- Training & education
- Food writing & styling
- Culinary manager in the industrial sector



First Year at a Glance

- Culinary Operations, Larder and International Cuisine
- The importance of food safety principles
- Introduction to Information Technology (IT)
- Learn about kitchen design and sustainability
- A knowledge of business calculations in the hospitality sector
- Develop the skills to manage catering and culinary businesses
- Build the skills and knowledge to manage the 'front of house' side of restaurants
- Learning about food and the food developed in various cultures
- Industry placement



Culinary Studies

Staidéar Cócaireachta

Application: CAO

CAO Code: MT 655

NFQ Level: 6

Award Title: Higher Certificate in Arts in Culinary Studies

Duration: 2 Years (4 Semesters)

Places: 64

Location: MTU Bishopstown Campus, Cork



Entry 2022

SCORE THE NECESSARY CAO POINTS AND MEET
MINIMUM LEAVING CERTIFICATE REQUIREMENTS
5 SUBJECTS

SUBJECTS 06/H7	SUBJECTS H5	MATHS GRADE	ENGLISH OR IRISH GRADE
5	0	06/H7/F2*	06/H7

*A grade of F2 or above in foundation level Maths fulfils the Maths entry requirements for this programme.

Overview

Culinary studies is a course designed to meet the needs of students who wish to pursue careers as professional chefs. The Higher Certificate in Arts in Culinary Studies is mainly practical in nature and is supported by theory subjects relating to the world of cookery. Approximately 70% of the class time is spent in practical classes and kitchens covering subjects such as cookery techniques, classical and traditional cookery, along with specialist cookery from the Mediterranean, the Orient and other interesting world foods. Pastry, larder, confectionery and buffet work are also explored.

Along with practical classes, formal lectures, guest lectures, site visits, and group projects are also used to ensure students receive a fully rounded study environment. The formal, paid work placement allows the student to put into practice the skills which they have learned while in college and students are awarded academic marks for this important component of their course.

The Tourism and Hospitality building is one of the foremost in the country and includes modern production kitchens, IT laboratories, a demonstration theatre, training restaurants, training bar and fully equipped classrooms. In addition, students have easy access to the wider University facilities such as an excellent library, IT facilities, and sports and recreation facilities.

Administration and support facilities are offered in an environment where students have direct access to an experienced and qualified lecturing team. Students have participated and succeeded in the "Knorr Chef of the Year", TV3's "Head Chef" and the "Dunhill Cuisine Award for Best Commercial Food Product", along with the annual AEHT, Eurotoque, and CATEX competitions.

Further Studies

Suitably qualified graduates can progress to

- Year 2 of the Bachelor of Business in Culinary Arts (Level 7)

and subsequently progress to the one year add-on

- Bachelor of Business (Honours) in Culinary Entrepreneurship

or

- Bachelor of Business (Honours) in Hospitality Management

or

- Year 3 of Bachelor of Arts in Culinary Arts (National Chef de Partie Apprenticeship) Delivery is based on a 13 week semester with 1 day in college per week in years 3 and 4

and subsequently progress to the

- Bachelor of Arts (Hons) in Culinary Arts (National Sous Chef Apprenticeship) Delivery is based on a 13 week semester with 1 day in college per week over 2 years

Question Time

What is the difference between culinary arts and culinary studies?

Culinary Studies is the course designed for students who aspire to become a professional chef and it focuses on the key skills required by chefs in all kitchen types, whether a large upmarket hotel kitchen or a smaller specialist restaurant operation.

Culinary arts provides a broad range of learning which combines the skills of business management with the skills of culinary activity. This provides an ideal combination of skills for the successful operation of many food related business enterprises.

When does the work placement occur?

There is a formal structured work placement over the summer at the end of year 1.

Contact Information

John Hartnett
T: +353 (0)21 433 5851
E: john.hartnett@mtu.ie



Career Opportunities

Students will graduate as professional chefs, equipped to embark on exciting careers which will allow them to develop their skills further and to travel extensively if desired.

Our graduates hold exciting positions as head chefs and executive chefs in a wide variety of hotels, restaurants and other food operations. Artisan food production, food product development, health care, food journalism and large scale catering facilities all offer opportunities to graduates for employment. Other graduates have gone on to set up their own successful businesses.

- Hotels ranging from 5 star resorts through to smaller family-run hotels
- Fine-dining restaurants, local speciality restaurants, bistros
- Catering companies
- Event catering
- Gastro pubs and café-delicatessens



First Year at a Glance

- Practical classical cookery techniques including fishmongery and pastry
- Dish development in a nutritional context
- Cost control as it relates to the kitchen
- Develop practical restaurant skills
- Build the full range of skills needed to become a chef
- Learn about the background of food and service of food and the different food environments
- Understand the skills of managing the business of catering
- Industry placement



Event Management (Honours)

Bainistíocht Imeachtaí (Onóracha)

Application: CAO

CAO Code: MT 940

NFQ Level: 8

Award Title: Bachelor of Arts (Honours) in Event Management

Duration: 3 Years (6 Semesters)

Places: 25

Location: MTU Kerry North Campus



Entry 2022

SCORE THE NECESSARY CAO POINTS AND MEET
MINIMUM LEAVING CERTIFICATE REQUIREMENTS
6 SUBJECTS

SUBJECTS 06/H7	SUBJECTS H5	MATHS GRADE	ENGLISH OR IRISH GRADE
4	2	06/H7	06/H7

Overview

The events sector is a vibrant and diverse growth area in Ireland which includes the management of everything from festivals to corporate events and conferences. National and multinational companies now actively seek graduates with event management skills to help showcase their company, products or services.

The BA (Honours) in Event Management is unique, it is the only dedicated three-year level 8 degree in event management in Ireland. It's also practical, offering hands-on experience, work placement, industry site visits and masterclasses from key figures in the Irish festival and events industry. Formal work placement (minimum of 12 weeks) is an integral element of the course and takes place after semester six.

Your education will take place in County Kerry – a world class visitor destination with premier event venues such as the INEC in Killarney and the Rose of Tralee International Festival, along with many others, on our doorstep. This degree will shape your future - become a leader with excellent communication skills, in-depth industry knowledge and the experience to succeed in a range of exciting career opportunities in a rapidly growing sector both nationally and internationally.

Graduates of this programme will be highly employable and employment opportunities in this sector are increasing nationally and globally and vary considerably. Employers include: specialist event companies and venues; large corporate organisations; the non-profit/charity sector; tourism/cultural events and festivals; sports venues; hotels; government and semi-state agencies; convention bureaus; PR and marketing agencies.

Further Studies

Suitably qualified graduates are eligible to progress to taught master programmes or to research at either master or PhD level.

Question Time

Is work placement mandatory?

Yes, all students must undertake a minimum of 12 weeks work placement. The course is structured so that on completion of their classroom-based learning, students embark immediately into the world of work at the peak of the events industry activity during the summer months. This ensures a wide variety of opportunities for students as they commence their careers.

Contact Information

T.J. O'Connor

T: +353 (0)66 719 1807

E: tj.oconnor@mtu.ie



Career Opportunities

The following are some examples of current event management positions available for graduates

- Event manager
- Event coordinator
- Events executive
- Events administrator
- Conference and events sales executive
- Conference and banqueting coordinator
- Event/wedding coordinator
- Fundraising coordinator



First Year at a Glance

- Event Concepts: an introduction to creativity techniques and design principles to develop event concepts
- Introduction to Events: basic skills required to organise successful events
- Social Media Tools: use of a core web-based platform such as a blog-site and social media platforms to create a unified network on which to create, distribute and market creative output
- Tourism Marketing: understanding the pivotal role played by marketing in today's competitive travel and tourism industry
- Event Fundraising and Sponsorship: an introduction to the various techniques of fundraising, relevant to the management of successful festivals and events
- Leadership and Team Building: the theory and application of leadership and team building techniques



Food Business Innovation

Nuálaíocht Ghnó Bia

Application: CAO

CAO Code: MT 556

NFQ Level: 7

Award Title: Bachelor of Arts in Food Business Innovation

Duration: 3 Years (6 Semesters)

Places: 25

Location: MTU Kerry North Campus



Entry 2022

SCORE THE NECESSARY CAO POINTS AND MEET
MINIMUM LEAVING CERTIFICATE REQUIREMENTS
5 SUBJECTS

SUBJECTS 06/H7	SUBJECTS H5	MATHS GRADE	ENGLISH OR IRISH GRADE
5	0	06/H7	06/H7

Overview

The BA in Food Business Innovation programme prepares students for a career in a variety of dynamic food businesses. The hands-on nature of the programme will develop knowledge and skills which will help graduates play a lead role in the development and management of key sectors within the food industry. The modules on this programme reflect the global nature of the food industry and the vast opportunities it provides at varying levels, from home-grown entrepreneur to global development chef. Practical modules will provide the culinary skills to produce and design food products, coupled with the theoretical modules to provide the innovation and business concepts that will give the student the necessary skills to develop a successful business.

The course will provide the knowledge and skills to promote innovation, develop new products, and foster entrepreneurship with the key skills of branding, distribution and sales, all underlined by sustainability. Students will undertake a work placement in either the hospitality, culinary or tourism sector for 200 hours in year two.

Through practical application, this programme will equip graduates with technical skills, communication, business and presentation skills, which are required and highly valued by the industry. Graduates from the BA in Food Business Innovation programme can pursue employment opportunities in the food sector and non-food sector as the skills acquired are highly transferable.

Further Studies

Suitably qualified graduates are eligible to progress to year 4 (final year)

- BA (Honours) in Culinary Arts

Contact Information

T.J. O'Connor

T: +353 (0)66 719 1807

E: tj.oconnor@mtu.ie



Career Opportunities

Graduates who successfully complete the programme can seek employment opportunities in

- Food business management
- Food product design and development
- Food retail organisations
- Market and consumer research
- Product sales and marketing
- Entrepreneurship
- Artisan food production
- Food logistics
- Cafés
- Restaurants
- Hotels
- Gastro pubs
- General food service businesses



First Year at a Glance

- Introduction to food preparation and cooking techniques: incorporates food identification and preparation techniques in a practical setting
- Fundamental patisserie skills: the scientific principles and production processes underpinning this discipline.
- Introduction to food science and safety: the importance of food safety and the basic principles of HACCP
- Refining food preparation and cooking techniques: development of core skills, competencies and knowledge in food preparation and cooking techniques required in today's food production units
- Food production operations: techniques and processes essential to professional volume food production
- Food and nutrition: the principles of food and nutrition and an appreciation of the relationship between food, health and wellbeing



Home Economics and Business (Honours)

Eacnamaíocht Bhaile agus Gnó (Onóracha)

Application: CAO

CAO Code: MT 930

NFQ Level: 8

Award Title: Bachelor of Arts (Honours) in Home Economics and Business

Duration: 3 Years (6 Semesters)

Places: 32

Location: MTU Bishopstown Campus, Cork



Entry 2022

SCORE THE NECESSARY CAO POINTS AND MEET
MINIMUM LEAVING CERTIFICATE REQUIREMENTS
6 SUBJECTS

SUBJECTS 06/H7	SUBJECTS H5	MATHS GRADE	ENGLISH OR IRISH GRADE	HOME ECONOMICS OR LAB SUBJECT
4	2	06/H7	06/H7	H5*

*A H5 must be obtained in Home Economics or a laboratory science subject (from Chemistry, Physics, Biology, Agricultural Science, or Physics & Chemistry (joint)).

NOTE 1: Please note the H5 grade in Home Economics or a relevant laboratory science subject can also be used to satisfy one of the H5 entry requirements.

NOTE 2: Vetting by an Garda Síochána is a mandatory requirement for this programme.

Overview

This is the only initial teacher education programme in Home Economics offering Business as a second subject option.

The nature of the Home Economics programme is diverse, and requires graduates to gain competencies in a multidisciplinary context. This means graduates will gain expertise and develop skills in culinary arts, biological sciences, textiles and design, consumer studies, family resource management, social studies, architecture, and environmental studies. Through the study of Business, graduates will gain insight and develop skills in management, accounting, economics, human resource management, international business, entrepreneurship, and legal studies.

The design of the programme means the knowledge and skills gained by graduates will encompass discipline knowledge and skills in Home Economics and Business, along with an introduction into education studies. This will provide a solid foundation to develop pedagogical expertise when graduates go on to complete the PME. Graduates from the BA (Hons) in Home Economics and Business who go on to complete the Professional Master of Education, will complete their studies as teaching professionals, critical thinkers and innovators, with a broad worldview.

The module **Preliminary School Placement in Home Economics** introduces students to the actual teaching of Home Economics in schools through a supported school classroom placement working with an experienced Home Economics teacher. This placement takes place during the second semester of year 3, where students will work with a qualified teacher for a number of class periods in school each week, whilst completing their studies in MTU.

Further Studies

Graduates who achieve a minimum of second class Honours Grade (H2.2) in MTU's BA (Honours) in Home Economics and Business will automatically be offered a place on the Professional Master of Education (PME) post-primary in the School of Education, University College Cork (UCC) through a 'protected places pathway'.

Completion of both programmes allows graduates to meet all Teaching Council requirements to teach both Home Economics and Business to Leaving Certificate level in second-level schools in Ireland.

Detailed information about the Professional Master of Education programme is available at <https://www.ucc.ie/en/pec01/>

Question Time

What subjects can I teach when I finish this honours degree programme?

You are not qualified to teach until you also complete the Professional Master of Education. However, once you complete both the BA (Hons) in Home Economics and Business, and the Professional Master of Education, UCC, you can then teach both Home Economics and Business to Leaving Certificate level. You are also qualified to teach both of these discipline areas at Junior Certificate level.

Would setting up your own business be an option for a graduate of this programme?

Yes – students will have developed core business skills, and there is an emphasis on entrepreneurship in year 3 of the programme. Graduates who decide not to progress to the Professional Master of Education are ideally placed to set up their own business in either product development, or textile design.

Contact Information

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Career Opportunities

This programme was designed between the Department of Tourism & Hospitality, MTU, and the School of Education, UCC, to allow graduates from the BA (Hons) in Home Economics and Business to seamlessly progress to the Professional Master of Education in UCC.

Having successfully completed third year, graduates will have developed highly diversified skills, which can easily be utilised and adapted to other industries. Students will graduate as well-rounded individuals, with discipline expertise in Home Economics and Business, and excellent interpersonal skills, having studied four modules in education. As an example, graduates may wish to embark on a food business related career; such will be their expertise in culinary, food science, nutrition, and business. These graduates will have a unique skillset to work in micro firms, SMEs and multinationals.



First Year at a Glance

- Culinary techniques & food safety
- Biology for home economics
- Household finance & planning
- Family & social change
- Introduction to management
- Introduction to micro economics
- Human nutrition
- Science of food & health
- Fashion design & industry
- Home design & management
- Business law
- Financial accounting



Hospitality Management

Bainistíocht Fáilteachais

Application: CAO

CAO Code: MT 554

NFQ Level: 7

Award Title: Bachelor of Business in Hospitality Management

Duration: 3 Years (6 Semesters)

Places: 32

Location: MTU Bishopstown Campus, Cork



Entry 2022

SCORE THE NECESSARY CAO POINTS AND MEET
MINIMUM LEAVING CERTIFICATE REQUIREMENTS
5 SUBJECTS

SUBJECTS 06/H7	SUBJECTS H5	MATHS GRADE	ENGLISH OR IRISH GRADE
5	0	06/H7	06/H7

Overview

The University boasts one of the finest tourism and hospitality buildings in Europe, with state-of-the-art facilities. Our courses combine practical elements of hospitality management with key management skills, knowledge and competencies, in a multicultural classroom environment, providing graduates with the best possible foundation for a future career. Modern demonstration and production kitchens, IT and front office laboratories, a demonstration theatre, training restaurants and bar, and well equipped classrooms are all features of the Tourism and Hospitality Building at MTU.

Administration and support facilities are offered in an environment where students have direct access to an experienced and qualified lecturing team. Formal lectures, tutorials, individual and team project work, guest speakers, industry visits and field trips are all an integral part of the course. A range of elective modules are available so that students can pursue particular topics which interest them.

There is a mandatory work placement of a minimum of 12 weeks between year 1 and year 2 and a 6 month management internship in year 3. Work Placement allows the student to experience hospitality organisations at various grades in Ireland and gives them opportunities to travel abroad for their third year work placement. Cork boasts one of the largest variety of hospitality organisations in the country, allowing students to study in a vibrant city with a strong culture of hospitality. Students who take the opportunity to travel abroad for work placement experience a greater international awareness, and develop the ability to effectively communicate in the global hospitality environment.

Contact Information

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Further Studies

Suitably qualified graduates are eligible to apply for entry to one year add-on

- Bachelor of Business (Honours) in Hospitality Management (Level 8)

Honours degree holders who achieve the specified level of academic performance are eligible to apply for a postgraduate course of study, both at MTU and at other third level colleges in Ireland and abroad.

Question Time

What are the facilities like for this course in MTU Bishopstown Campus?

The facilities at the Department of Tourism & Hospitality are of the highest European standard. The Department operates to the highest levels of industry recognised hygiene and environmental management requirements.

What are the duties of a Hotel Manager?

Hotel managers combine the role of the business host with the technical skills, including the provision of high quality food, beverage, and accommodation standards along with the skills of successful business management including financial, marketing, human resource, and operational skills.

What other careers could I work in?

Hospitality managers work across a wide range of businesses in the sector including many and varied types of hotels, restaurants and resorts and equally can work in areas such as cruise line operations or indeed start their own business within the sector. There is a wide range of sector specific support businesses for which hotel management provides the ideal background and these can include food & beverage suppliers, equipment suppliers, training specialists, hospitality centred IT companies, and many others.

Can I obtain a higher certificate after two years?

Yes, students who successfully complete year 2 and do not wish to progress to year 3 will receive a Higher Certificate in Business in Hospitality Management.



Career Opportunities

Graduates will specialise in areas of the hospitality business such as food & beverage management, conference & banqueting management or rooms division management. Opportunities may also be available in sales & marketing, human resource management, training & development, event management or financial control. Graduates will aspire to senior general management positions or become involved in entrepreneurial activities and may start their own business.

- Hotel, restaurant, catering and licenced premises management
- Reservations and revenue management
- Conference and event management
- Human resources and training
- Hospitality entrepreneur
- Marketing and sales



First Year at a Glance

- Learn about the theory and practice of food & beverage operations
- Learn about the theory and practice of the rooms division
- Using IT applications
- Explore the structures within the various hospitality businesses
- Managing the business of various hospitality premises such as hotels, restaurants and bars
- Building the personal skills and attributes to be an effective hospitality manager
- Industry placement



Hospitality Studies

Staidéar Fáilteachais

Application: CAO

CAO Code: MT 654

NFQ Level: 6

Award Title: Higher Certificate in Arts in Hospitality Studies

Duration: 2 Years (4 Semesters)

Places: 25

Location: MTU Bishopstown Campus, Cork



Overview

Hospitality Studies is a broad programme of learning which provides an introduction to all of the operations areas in the hospitality sector. Students get an opportunity to study and practice the areas of restaurant service, bar service operations, front office, rooms division, accommodation, event organisation, introduction to culinary skills, along with a range of business subjects.

The combination of practical skills and theoretical subjects gives the student the opportunity to identify their area of preference in the sector and to subsequently develop a valuable career in their chosen field.

The Higher Certificate in Arts in Hospitality Studies is designed to meet the skills requirements of students who wish to pursue careers within the hospitality sector. Graduates typically work in contact with the customer in hotels, restaurants or bar operations or associated areas such as conferences and events. The strong element of practical learning involved in this course is appealing to many candidates.

Practical classes, formal lectures, guest lectures, site visits and group projects are all used to ensure students receive a fully rounded study environment. A formal work placement over the summer at the end of year 1 allows the student to put into practice the skills which they have learned while in college, under the guidance of an experienced hospitality professional, and students are awarded academic marks for this important component of their course.

The tourism and hospitality buildings are of the best modern standard and include production kitchens, IT laboratories, a demonstration theatre, training restaurants, a training bar, training reception, and fully equipped classrooms.

Further Studies

Suitably qualified graduates can progress to:

- Year 2 of the Bachelor of Business in Hospitality Management
- or
- Year 2 of the Bachelor of Business in Beverage Industry Management

and subsequently progress to the one year add-on

- Bachelor of Business (Honours) in Hospitality Management

Question Time

What is the difference between hospitality studies and hospitality management?

Hospitality Studies focuses on the day-to-day operations within the hospitality sector, where positions require a hands-on customer centred focus.

Hospitality management focuses on the successful operation and profitable management of the overall business and its resources.

What are the facilities like for this course in MTU Bishopstown Campus?

The Department is located within its own building on the campus and provides excellent facilities to enhance student learning including a range of kitchens, classrooms, labs and other training facilities.

The work placement sounds exciting. Is it based in Ireland or can you be placed abroad?

The work placement takes place in a quality hospitality establishment in Ireland and it is supported by a Department of Tourism & Hospitality staff member together with a workplace mentor. However, on qualification, graduates possess a skillset which they can use to gain employment in many different roles abroad.

Contact Information

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Entry 2022
SCORE THE NECESSARY CAO POINTS AND MEET
MINIMUM LEAVING CERTIFICATE REQUIREMENTS
5 SUBJECTS

SUBJECTS 06/H7	SUBJECTS H5	MATHS GRADE	ENGLISH OR IRISH GRADE
5	0	06/H7/F2*	06/H7

*A grade of F2 or above in foundation level Maths fulfils the Maths entry requirements for this programme.



Career Opportunities

For the student who is prepared to work hard and who brings flair and passion to hospitality, the opportunities are endless. Hotels, restaurants, bars, events and work place catering are all areas which are an ideal career choice for graduates. Many of our graduates travel overseas to gain experience and to enhance their skills or go on to embark on further studies in the area of hospitality.

- Hotels, restaurants, licenced premises
- Accommodation providers
- Catering and events companies
- Specialist functions such as reservations, training and human resources



First Year at a Glance

The course will introduce all front of house areas in hotels, restaurants and bars:

- Gain a knowledge of running the business of hospitality
- Develop your own personal skills and attributes for effective hospitality operations
- The theory and practice of bar operations and service
- The theory and practice of food operations
- Communications for hospitality
- Restaurant service skills
- Industry placement



Tourism Management (Honours)

Bainistíocht Turasóireachta (Onóracha)

Application: CAO

CAO Code: MT 947

NFQ Level: 8

Award Title: Bachelor of Business (Honours) in Tourism Management

Duration: 4 Years (8 Semesters)

Places: 30

Location: MTU Bishopstown Campus, Cork



Entry 2022

SCORE THE NECESSARY CAO POINTS AND MEET
MINIMUM LEAVING CERTIFICATE REQUIREMENTS
6 SUBJECTS

SUBJECTS 06/H7	SUBJECTS H5	MATHS GRADE	ENGLISH OR IRISH GRADE
4	2	06/H7	06/H7

Overview

The Bachelor of Business (Honours) in Tourism Management provides students with the expertise and knowledge needed to become a successful manager or entrepreneur in this challenging and exciting industry. This course has a strong emphasis on the broad business, management and marketing subjects complemented with tourism specific modules. Learning is based around class delivered lectures, field trips, practical lab classes, guest speakers, and both group and individual project work.

MTU Bishopstown Campus has an excellent reputation for working in partnership and consultation with the travel and tourism industry. The delivery of certain modules provides the student with the opportunity to engage actively with industry. In the past, projects have been conducted on behalf of Fota Wildlife Park, Kinsale Chamber of Tourism, Blackrock Castle, Spike Island Tourism Development Plan, Clonakilty Chamber of Commerce, Cork City Council, and Cork County Council.

In year 2, there is an elective module where students undertake a relevant five week period or equivalent of work placement in a chosen sector of the tourism industry. The placement is supported by a member of academic staff in conjunction with a supervisor or workplace mentor. The experience gained will enable the student to recognise his/her strengths and weaknesses regarding general competence and an awareness of the process involved in developing a career in the tourism industry.

Further Studies

Honours degree holders who achieve the specified level of academic performance are eligible to apply for a postgraduate course of study, both at MTU and at other third level colleges in Ireland and abroad.

Question Time

Is there a placement as part of this course?

Yes, there is an opportunity for students to engage in placement as part of the course in year 2.

Is it essential to have studied a language before commencing the course?

Having a European language is very useful. In order to study French, you must have successfully completed Leaving Certificate French and in order to study German you must have successfully completed Junior Certificate German. Spanish is taught from an introductory stage.

NB: It should be noted that studying a language is mandatory for year one of the course.

Are there opportunities to work outside the tourism industry?

The course provides the student with a broad range of business and entrepreneurial skills which are transferable to a wide range of service industries, such as finance, retail, education and IT in addition to general marketing and management businesses.

Are there opportunities to travel?

The nature of the tourism industry allows students to take up opportunities abroad and to travel and work overseas. Students are also provided with the opportunity to study for a semester abroad on an Erasmus or international programme in one of MTU's partner institutions.

Contact Information

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Career Opportunities

Graduates have numerous opportunities in this dynamic and exciting tourism industry both nationally and internationally. The range of skills throughout the course includes marketing, management, human resources, a language, social media, IT, communication, and customer services. These allow for the graduate to be flexible in terms of their employment prospects.

- Festival and event management
- Business tourism
- Social media and E-tourism
- Tourism promotion and marketing
- Visitor attractions & activity management
- Destination management organisations
- Travel agencies and tour operations
- Marketing, communications and promotion
- Airports and airlines



First Year at a Glance

- The principles and practice involved in the general business of tourism
- The Irish tourism experience and what the visitor can enjoy
- Tourism geography
- The basic conditions for managing a business operation, with an understanding of economics
- Understanding the motivations and behaviour of the tourist/visitor
- Learn a European language



Tourism Management

Bainistíocht Turasóireachta

Application: CAO

CAO Code: MT 552

NFQ Level: 7

Award Title: Bachelor of Business in Tourism Management

Duration: 3 Years (6 Semesters)

Places: 30

Location: MTU Bishopstown Campus, Cork



Entry 2022	SCORE THE NECESSARY CAO POINTS AND MEET MINIMUM LEAVING CERTIFICATE REQUIREMENTS 5 SUBJECTS			
	SUBJECTS 06/H7	SUBJECTS H5	MATHS GRADE	ENGLISH OR IRISH GRADE
	5	0	06/H7	06/H7

Overview

The Bachelor of Business in Tourism Management provides students with the expertise and knowledge needed to become a successful manager or entrepreneur in this challenging and exciting industry. This course has a strong emphasis on the broad business, management and marketing subjects complemented with tourism specific modules. Learning is based around class delivered lectures, field trips, practical lab classes, guest speakers, and both group and individual project work.

MTU Bishopstown Campus has an excellent reputation for working in partnership and consultation with the travel and tourism industry. The delivery of certain modules provides the student with the opportunity to engage actively with industry. In the past, projects have been conducted on behalf of Fota Wildlife Park, Kinsale Chamber of Tourism, Blackrock Castle, Spike Island Tourism Development Plan, Clonakilty Chamber of Commerce, Cork City Council, and Cork County Council.

In year 2, there is an elective module where students undertake a relevant five week period or equivalent of work placement in a chosen sector of the Tourism industry. The placement is supported by a member of academic staff in conjunction with a supervisor or workplace mentor. The experience gained will enable the student to recognise their strengths and weaknesses regarding general competence and an awareness of the process involved in developing a career in the tourism industry.

Further Studies

Suitably qualified graduates are eligible to apply for entry to year 4 (final year) of

- Bachelor of Business (Honours) in Tourism Management

Honours Degree holders who achieve the specified level of academic performance are eligible to apply for a postgraduate course of study, both at MTU and at other third level colleges in Ireland and abroad.

Question Time

Is it essential to study a language on this course?

Having a European language is very useful. In order to study French, you must have successfully completed Leaving Certificate French. In order to study German you must have successfully completed Junior Certificate German. Spanish is taught from an introductory stage.

NB: It should be noted that studying a language is mandatory for year one of the course.

Are there opportunities to work outside the tourism industry?

The programme provides the student with a broad range of business and entrepreneurial skills which are transferable to a wide range of service industries, such as finance, education, retail, and IT in addition to general marketing and management businesses.

Is there a placement as part of this course?

Yes, there is an opportunity for students to engage in placement as part of the course in year 2.

Are there opportunities to travel?

The nature of the tourism industry allows students to take up opportunities abroad and to travel and work overseas. Students are also provided with the opportunity to study for a semester abroad on an Erasmus or international programme in one of MTU's partner institutions.

Can I obtain a higher certificate after two years?

Yes, students who successfully complete year 2 and do not wish to progress to year 3 will receive a Higher Certificate in Business in Tourism Management.

Contact Information

Dr Aisling Ward
T: +353 (0)21 433 5846
E: aisling.ward@mtu.ie



Career Opportunities

Graduates have numerous opportunities in this dynamic and exciting tourism industry both nationally and internationally. The range of skills throughout the course includes marketing, management, human resources, a language, social media, IT, communication, and customer services. These allow for the graduate to be flexible in terms of their employment prospects.

- Festival and event management
- Business tourism
- Social media and E-tourism
- Tourism promotion and marketing
- Visitor attractions & activity management
- Destination management organisations
- Travel agencies and tour operations
- Marketing, communications and promotion
- Airports and airlines



First Year at a Glance

- The principles and practice involved in the general business of tourism
- The Irish tourism experience and what the visitor can enjoy
- Tourism geography
- The basic conditions for managing a business operation, with an understanding of economics
- Understanding the motivations and behaviour of the tourist/visitor
- Learn a European language



Sport, Physical Activity, and Leisure

Succeeding Together

CAO Code	NFQ Level	Course	Page
MT 913	8	Bachelor of Science (Honours) in Coaching and Sports Performance	52
MT 513	7	Bachelor of Science in Coaching and Sports Performance	53
MT 915	8	Bachelor of Science (Honours) in Coaching Science & Sports Pedagogy	54
MT 911	8	Bachelor of Science (Honours) in Health and Leisure (Degree Award Options)	55
MT 511	7	Bachelor of Science in Health and Leisure (Degree Award Options)	56
MT 912	8	Bachelor of Science (Honours) in Health and Leisure with Massage	57
MT 512	7	Bachelor of Science in Health and Leisure with Massage	58
MT 914	8	Bachelor of Science (Honours) in Inclusive Sport and Physical Activity	59
MT 514	7	Bachelor of Science in Inclusive Sport and Physical Activity	60
MT 510	7	Bachelor of Business in Recreation and Leisure Management	61
MT 910	8	Bachelor of Business (Honours) in Sport and Exercise Management	62

Symbol Key:



Work Placement



Progression to the next NFQ level



Garda Vetting



Medical Required



Exit Award

Coaching and Sports Performance (Honours)

Feidhmíocht Cóitseála agus Spóirt (Onóracha)

Application: CAO

CAO Code: MT 913

NFQ Level: 8

Award Title: Bachelor of Science (Honours) in Coaching and Sports Performance

Duration: 4 Years (8 Semesters)

Places: 16

Location: MTU Kerry North Campus

Entry 2022

SCORE THE NECESSARY CAO POINTS AND MEET
MINIMUM LEAVING CERTIFICATE REQUIREMENTS
6 SUBJECTS

SUBJECTS 06/H7	SUBJECTS H5	MATHS GRADE	ENGLISH OR IRISH GRADE
4	2	06/H7	06/H7

NOTE 1: Applicants must provide certification of fitness for a programme of vigorous physical activity.

NOTE 2: Vetting by an Garda Síochána is a mandatory requirement for this programme.



Overview

The Coaching and Sports Performance programme aims to develop, from evidence-based theory and practice, the students' ability to lead physical activity, to coach athletes (individually and in teams), and manage sports teams and individual athletes. Graduates will also have the knowledge, skills, competence and first-hand experience to design and lead strength and conditioning programmes and to design and lead performance training programmes.

Graduates will be able to safely, and within context, advise on performance-related nutrition, apply the principles of sports psychology in context, and apply ancillary techniques in recovery from exercise, injury management or others in support of optimal sports performance and recovery.

The strength of the programme delivery model is that students experience a significant amount of applied practical time during their studies. The applied practice elements include independent studies, workshops, group discussions, activity leadership sessions, client (group and individual) engagement, and other activities that provide authenticity to the students' experience.

Health and Leisure students are regular players on the University's teams in a variety of sports and through a variety of University society and volunteering activities. The department in general is known for its valued contribution to the health, fitness and leisure industry nationally, where the department is involved in establishing sectoral standards and educational policy change.

The Department of Health and Leisure Studies is a registered REPs Ireland provider. REPs Ireland (www.repsireland.ie) uses industry standards that have been developed and published by the European Health & Fitness Association to determine eligibility of individual exercise professionals for entry to the REPs Ireland register.

Further Studies

Suitably qualified Level 8 Honours graduates are eligible to progress to the MSc in Applied Exercise for Health at MTU Kerry North Campus or to research at either master or PhD level.

Accreditation

Students will gain the knowledge, competence and skills required to operate as a basic level instructor in the exercise to music and gym environments accreditation of European Health Fitness Association (EHFA).

Question Time

Do I get any additional qualifications from this programme?

In addition to graduating with an honours Bachelor of Science degree, graduates will be qualified fitness instructors, personal trainers with broad-ranging knowledge in nutrition and exercise programming, and will hold coaching badges in selected sports codes. Students on this programme gain unique experience in studying modules in adapted physical activity and exercise recovery techniques.

Contact Information

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Career Opportunities

This degree programme is intended for prospective students interested in pursuing a career in areas such as:

- High-level fitness instruction and personal training businesses, for teams, professional athletes or private individuals
- Sports management in elite and professional club contexts
- Commercial sales and/or sales management in the sports and fitness sector
- Coaching, coach tutoring
- Sports development, talent development, athlete and team conditioning



First Year at a Glance

- Exercise Science – Anatomy and Physiology: explains the structure of the human body and how physiological systems contribute to overall body function
- Physical Education and Coaching Studies: enables students to critique human movement in order to facilitate learning and development in others across a range of movement contexts
- Introduction to Performance Training: provides a detailed understanding of the factors that affect performance, the components of field-testing and training methodologies for performance in the areas of speed, agility and flexibility.
- Independent Studies: the aim of this module is to enhance students' ability to coach human movement. Students will also gain a coaching qualification in a sport of their choice
- Activity Leadership: Weights: this module focuses specifically upon trends in the fitness industry and to bring students to a level of competence in the planning, delivery and evaluation of individual and group exercise sessions.
- Exercise Science – Sports Psychology and Motor Learning: the goal of this module is to introduce and apply skill acquisition, motor learning and motor control in the context of sport and physical activity



Coaching and Sports Performance

Feidhmíocht Cóitseála agus Spóirt

Application: CAO

CAO Code: MT 513

NFQ Level: 7

Award Title: Bachelor of Science in Coaching and Sports Performance

Duration: 3 Years (6 Semesters)

Places: 16

Location: MTU Kerry North Campus



Entry 2022

SCORE THE NECESSARY CAO POINTS AND MEET
MINIMUM LEAVING CERTIFICATE REQUIREMENTS
5 SUBJECTS

SUBJECTS 06/H7	SUBJECTS H5	MATHS GRADE	ENGLISH OR IRISH GRADE
5	0	06/H7	06/H7

NOTE 1: Applicants must provide certification of fitness for a programme of vigorous physical activity.

NOTE 2: Vetting by an Garda Síochána is a mandatory requirement for this programme.

Overview

The Coaching and Sports Performance programme aims to develop, from evidence-based theory and practice, the students' ability to lead physical activity, to coach athletes (individually and in teams), and manage sports teams and individual athletes. Graduates will also have the knowledge, skills, competence and first-hand experience to design and lead strength and conditioning programmes and to design and lead performance training programmes.

Graduates will be able to safely, and within context, advise on performance-related nutrition, apply the principles of sports psychology in context, and apply ancillary techniques in recovery from exercise, injury management or others in support of optimal sports performance and recovery.

The strength of the programme delivery model is that students experience a significant amount of applied practical time during their studies. The applied practice elements include independent studies, workshops, group discussions, activity leadership sessions, client (group and individual) engagement, and other activities that provide authenticity to the students' experience.

Health and Leisure students are regular players on the University's teams in a variety of sports and through a variety of University society and volunteering activities. The department in general is known for its valued contribution to the health, fitness and leisure industry nationally, where the department is involved in establishing sectoral standards and educational policy change.

The Department of Health and Leisure Studies is a registered REPs Ireland provider. REPs Ireland (www.repsireland.ie) uses industry standards that have been developed and published by the European Health & Fitness Association to determine eligibility of individual exercise professionals for entry to the REPs Ireland register.

Further Studies

Suitably qualified Level 7 graduates are eligible to progress to year 4 (final year)

- Bachelor of Science (Honours) in Coaching and Sports Performance

Accreditation

Students will gain the knowledge, competence and skills required to operate as a basic level instructor in the exercise to music and gym environments accreditation of European Health Fitness Association (EHFA).

Contact Information

Fiona O'Flynn
T: +353 (0)66 719 1972
E: fiona.oflynn@mtu.ie



Career Opportunities

This degree programme is intended for prospective students interested in pursuing a career in areas such as:

- High-level fitness instruction and personal training businesses, for teams, professional athletes or private individuals
- Sports management in elite and professional club contexts
- Commercial sales and/or sales management in the sports and fitness sector
- Coaching, coach tutoring
- Sports development, talent development, athlete and team conditioning



First Year at a Glance

- Exercise Science – Anatomy and Physiology: the aim of this module is to explain the structure of the human body and how physiological systems contribute to overall body function
- Physical Education and Coaching Studies: enables students to critique human movement in order to facilitate learning and development in others across a range of movement contexts
- Introduction to Performance Training: provides a detailed understanding of the factors that affect performance, the components of field-testing and training methodologies for performance in the areas of speed, agility and flexibility
- Independent Studies: the aim of this module is to enhance student's ability to coach human movement. Students will also gain a coaching qualification in a sport of their choice
- Activity Leadership – Weights: this module focuses specifically upon trends in the fitness industry and to bring students to a level of competence in the planning, delivery and evaluation of individual and group exercise sessions
- Exercise Science – Sports Psychology and Motor Learning: the goal of this module is to introduce and apply skill acquisition, motor learning and motor control in the context of sport and physical activity



Coaching Science & Sports Pedagogy (Honours)

Eolaíocht Cóitseála agus Oideolaíocht Spóirt (Onóracha)

Application: CAO

CAO Code: MT 915

NFQ Level: 8

Award Title: Bachelor of Science (Honours) in Coaching Science & Sports Pedagogy

Duration: 4 Years (8 Semesters)

Places: 40

Location: MTU Bishopstown Campus, Cork



Entry 2022

SCORE THE NECESSARY CAO POINTS AND MEET
MINIMUM LEAVING CERTIFICATE REQUIREMENTS
6 SUBJECTS

SUBJECTS 06/H7	SUBJECTS H5	MATHS GRADE	ENGLISH OR IRISH GRADE
4	2	06/H7	06/H7

NOTE: Vetting by an Garda Síochána is a mandatory requirement for this programme.

Overview

The BSc (Hons) in Coaching Science & Sports Pedagogy is a 4-year programme designed to introduce students to the applications of coaching science and physical education pedagogy, in addition to the scientific aspects of sports performance and health.

The programme focuses on key theories with applied research and practical skills in these core domains to provide graduates with the relevant knowledge, skills and competences to work as professionals in a wide range of sports coaching, athletic development, and health and wellbeing settings. The option of a comprehensive sports internship programme that provides not just breadth, but also significant depth, in the operational machinations of the 'coaching science and sports performance' industry in Ireland and/or abroad, is an integral component of this programme.

This programme also serves to prepare graduates for postgraduate opportunities in the much sought after domain of physical education (PE) teacher education. To achieve this, a dedicated suite of PE-specific modules, that meet the pre-requisites for application to the Level 9 Professional Master of Education (PME) in Physical Education (PE) in Ireland, and a range of Postgraduate Certificate in Education (PGCE) programmes in Physical Education in the UK and further abroad, are embedded across the 4 years of study. The option of a comprehensive placement opportunity in a support role in a post-primary school PE Department is also a key strength of this programme, as it introduces and exposes prospective graduates to the day-to-day operation of a post-primary school setting across a 12-week period, while integrating them into that school's physical education curriculum and culture.

Further Studies

In addition to the postgraduate pathway into PE teaching, suitably qualified graduates may progress at postgraduate level in the areas of Physiotherapy, Strength & Conditioning, Health Promotion, and a variety of sports-related masters programmes. MTU Bishopstown Campus also coordinates a highly successful research group titled HEx-Spo which offers Masters and PhD programmes in the areas of coaching science, sports performance, physical activity and exercise, health promotion, and skill acquisition.

Question Time

Is there any established direct progression route to the PME (PE teaching) i.e. will there be any places reserved on the PME for graduates of this new programme?

No, there is not a direct progression route. Whilst the honours degree covers the Teaching Council requirements for PE Education, the application to the University of Limerick (UL) PME is separate.

Contact Information

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Career Opportunities

The BSc (Hons) in Coaching Science & Sports Pedagogy programme combines key theories with applied research and practical skills to afford graduates appropriate knowledge, skills and competences to work as professionals in a wide range of settings in the (i) sports coaching, and (ii) high performance sport, or (iii) health and wellbeing industries, in addition to (iv) meeting the Teaching Council Guidelines to apply for a PME (or equivalent) in Physical Education.



First Year at a Glance

- PE Pedagogy Modules: introduction to aspects of sports pedagogy such as technical development, tactical awareness, safe and inclusive participation, and personal and social development.
- The Science & Art of Coaching: learn about models of best principles and practice in coaching as well as how to develop a coaching philosophy
- Motor Development in Youth: development of a child's bones and muscles, and their ability to move around and manipulate their environment. It is delivered through the lens of fundamental movement skills (FMS), and how these can be developed among children
- Gym Instruction: preparation to be a gym instructor/circuit training instructor. The emphasis is on the student's ability to perform and demonstrate exercises correctly and on developing their skills to instruct
- Sports Psychology: introduction to the basic theories of sports psychology and identifies ways in which it can be used in a sports performance setting
- Nutrition for Health: nutrition and its relationship with health-related matters such as diet, weight management and obesity



Health and Leisure (Honours)

Sláinte agus Fóillíocht (Onóracha)

Application: CAO

CAO Code: MT 911

NFQ Level: 8

Award Title: Depends on specialisation. Choose from:

- BSc (Hons) in Health and Leisure (Health, Fitness and Leisure)
- BSc (Hons) in Health and Leisure with Physical Education
- BSc (Hons) in Health and Leisure with Adapted Physical Activity

Duration: 4 Years (8 Semesters)

Places: 35

Location: MTU Kerry North Campus

Entry 2022

SCORE THE NECESSARY CAO POINTS AND MEET
MINIMUM LEAVING CERTIFICATE REQUIREMENTS
6 SUBJECTS

SUBJECTS 06/H7	SUBJECTS H5	MATHS GRADE	ENGLISH OR IRISH GRADE
4	2	06/H7	06/H7

NOTE 1: Applicants must provide certification of fitness for a programme of vigorous physical activity.

NOTE 2: Vetting by an Garda Síochána is a mandatory requirement for this programme.



Overview

This honours degree provides you with the skills to launch an exciting career as a professional in the health, fitness and leisure sectors. It involves the study of six major subject areas, five of which are common to all students: Exercise Science, Health Studies, Activity Leadership, Physical Education, and Professional Practice. For the sixth subject area, students study either 'Education in Aquatics' or 'Outdoor and Experiential Learning'.

First year students are assessed shortly after registration for their swimming ability. Swim ability is a criterion used to determine suitability for the Education in Aquatics stream.

All course material is delivered through a mix of applied theory and practice. At the end of second year, students enter the Physical Education, Adapted Physical Activity or Health, Fitness and Leisure streams which allows students to begin to specialise in specific topics in third year. There is also a 12-week work placement in third year, which can be completed with a local, national or international service provider.

Graduates will have an honours bachelor of science degree and a variety of discipline-specific professional certifications. Students are expected to become sufficiently competent practitioners to become eligible for professional fitness instructor registration in group exercise, gym instruction, and personal training.

Further Studies

Suitably qualified Level 8 Honours graduates are eligible to progress to the MSc in Applied Exercise for Health at MTU Kerry North Campus or to research at either master or PhD level. Graduates of the Physical Education stream will also be eligible to progress to the Professional Master of Education in Physical Education at UL which is a pre-requisite for admission to the Teaching Council register.

Question Time

Is there a progression route to second level PE teaching from this degree?

Yes, graduates of the BSc (Honours) in Physical Education will meet the Teaching Council curricular subject requirements for teaching Physical Education to Leaving Certificate level. Graduates will be eligible to progress to the Professional Master of Education in Physical Education at UL which is a pre-requisite for admission to the Teaching Council register.

PLEASE NOTE: If you sustain injuries that impact your physical engagement with the programme, this may affect your ability to continue on the programme and/or to progress.

Contact Information

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Career Opportunities

Graduates work in health and leisure centres, in health promotion units, in spa/wellness centres, in coaching and team sport settings, in performance training, exercise programming, hotels, with disability service providers, in clinical settings, in the private/entrepreneurial area, in local sports partnerships and governing bodies of sport, in swimming pools, and in the great outdoors.

Adapted Physical Activity specialism graduates are health and leisure professionals with a specialist knowledge and experience in working with people with disabilities.

Physical Education specialism graduates work within the school environment, and also in youth work, adult education and broader community sport and leisure settings.

Health, Fitness and Leisure specialism graduates develop, influence and advocate for policy, provision and practice in a range of sectors, while maintaining health, wellbeing and fitness and optimal performance as central paradigms of their careers.



First Year at a Glance

- Exercise Science – Anatomy and Physiology: the aim of this module is to explain, through principles and concepts of physiology and anatomy, the structure of the human body and how physiological systems contribute to overall body function
- Physical Education and Coaching Studies: the aim of this module is to enable students to critique human movement in order to facilitate learning and development in others across a range of movement contexts
- Activity Leadership: this module aims to bring students to a level of competence in the planning, delivery and evaluation of individual and group exercise sessions in the exercise to music and gym environments with healthy adults using a whole-part-whole approach



www.mtu.ie/MT911

Health and Leisure

Sláinte agus Fóillíocht

Application: CAO

CAO Code: MT 511

NFQ Level: 7

Award Title: Depends on specialisation. Choose from:

- BSc in Health and Leisure (Education in Aquatics)
- BSc in Health and Leisure (Outdoor and Experiential Learning)

Duration: 3 Years (6 Semesters)

Places: 55

Location: MTU Kerry North Campus

Entry 2022

SCORE THE NECESSARY CAO POINTS AND MEET
MINIMUM LEAVING CERTIFICATE REQUIREMENTS
5 SUBJECTS

SUBJECTS 06/H7	SUBJECTS H5	MATHS GRADE	ENGLISH OR IRISH GRADE
5	0	06/H7	06/H7

NOTE 1: Applicants must provide certification of fitness for a programme of vigorous physical activity.

NOTE 2: Vetting by an Garda Síochána is a mandatory requirement for this programme.



Overview

This degree provides you with the skills to launch an exciting career as a professional in the health, fitness and leisure sectors. It involves the study of six major subject areas, five of which are common to all students: Exercise Science, Health Studies, Activity Leadership, Physical Education and Professional Practice. For the sixth subject area, students study either 'Education in Aquatics' or 'Outdoor and Experiential Learning'. Your degree award title will reflect your choice of this sixth subject area.

All course material is delivered through a mix of applied theory and practice. At the end of second year, students enter the Physical Education, Adapted Physical Activity or Health, Fitness and Leisure streams which allows students to begin to specialise in specific topics in third year. There is also a 12-week work placement in third year, which can be completed with a local, national or international service provider.

Graduates will have a Bachelor of Science degree and a variety of discipline-specific professional certifications. Students are expected to become sufficiently competent practitioners to become eligible for professional fitness instructor registration in group exercise, gym instruction and personal training.

This level 7 programme involves vigorous physical activity, eligible candidates will need medical clearance. First year students are assessed shortly after registration for their swimming ability. Swim ability is a criterion used to determine suitability for the Education in Aquatics stream. Garda vetting is also mandatory.

Further Studies

Depending on their specialism choice in year three, suitably qualified Level 7 graduates are eligible to progress to year 4 (final year) of

- Bachelor of Science (Honours) in Health and Leisure (Health, Fitness and Leisure) or
- Bachelor of Science (Honours) in Health and Leisure with Physical Education or
- Bachelor of Science (Honours) in Health and Leisure with Adapted Physical Activity

PLEASE NOTE: if you sustain injuries that impact your physical engagement with the programme, this may affect your ability to continue on the programme and/or to progress.

Question Time

Is there an exit award from this course?

Yes, students who successfully complete year two of this programme and who do not wish to progress to third year are eligible to receive a higher certificate award.

Contact Information

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Career Opportunities

Graduates enjoy a rich variety of employment opportunities. They work in health and leisure centres, in health promotion units, in spa/wellness centres, in coaching and team sport settings, in performance training, exercise programming, hotels, mainstream and special-needs schools, community centres, disability service providers, clinical settings, in the private/entrepreneurial area, in local sports partnerships and governing bodies of sport, in swimming pools and in the great outdoors.



First Year at a Glance

- Exercise Science – Anatomy and Physiology: the aim of this module is to explain, through principles and concepts of physiology and anatomy, the structure of the human body and how physiological systems contribute to overall body function
- Physical Education and Coaching Studies: the aim of this module is to enable students to critique human movement in order to facilitate learning and development in others across a range of movement contexts
- Activity Leadership: this module aims to bring students to a level of competence in the planning, delivery and evaluation of individual and group exercise sessions in the exercise to music and gym environments with healthy adults using a whole-part-whole approach



Health and Leisure with Massage (Honours)

Sláinte agus Fóillíocht le Suathaireacht (Onóracha)

Application: CAO

CAO Code: MT 912

NFQ Level: 8

Award Title: Bachelor of Science (Honours) in Health and Leisure with Massage

Duration: 4 Years (8 Semesters)

Places: 10

Location: MTU Kerry North Campus



Entry 2022

SCORE THE NECESSARY CAO POINTS AND MEET
MINIMUM LEAVING CERTIFICATE REQUIREMENTS
6 SUBJECTS

SUBJECTS 06/H7	SUBJECTS H5	MATHS GRADE	ENGLISH OR IRISH GRADE
4	2	06/H7	06/H7

NOTE 1: Applicants must provide certification of fitness for a programme with regular vigorous physical activity.

NOTE 2: Vetting by an Garda Síochána is a mandatory requirement for this programme.

Overview

This honours degree provides you the opportunity to develop your knowledge and professional skills in preparation for an exciting career in the health, fitness and leisure sector – and as a massage therapist. The programmes consist of applied, active training programmes (massage casework, aquatic therapy, aquatic rehabilitation, posture cultivation, functional assessment, fitness testing) and the theoretical foundations underpinning the promotion of wellness (wellbeing science, behaviour change, exercise referral) and optimal body function through massage/body work.

The programme emphasises community engagement, relevant massage practice, wellness education and the importance of a broad skill set. As you progress, you can expect to become confident in your professional skills, your life skills and in communicating the theoretical basis for concepts in health and leisure. Graduates will have a bachelor of science honours degree, massage therapist registration, and may also be eligible for professional fitness instructor registration in group exercise, gym instruction and personal training.

Further Studies

Graduates who achieve the specified level of academic performance are eligible to progress to the MSc in Applied Exercise for Health at MTU Kerry or to research at either master or PhD level.

PLEASE NOTE: if you sustain injuries that impact your physical engagement with the programme, this may affect your ability to continue on the programme and/or to progress.

Question Time

Is it possible to progress into Physiotherapy from this course?

Yes, a number of our graduates, who achieved a minimum of a Second Class Honours Grade I, have been accepted on to the MSc in Physiotherapy in UCC. This is a two year full-time programme.

Is there an exit award from this course?

Yes, in fact there are two exit awards. Students who successfully complete year two of this programme and who do not wish to progress to third year are eligible to receive a higher certificate award. Students who successfully complete year three of this programme and who do not wish to progress to fourth year are eligible to receive an ordinary degree award.

Contact Information

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Career Opportunities

On graduation, you will be a health and fitness professional, a wellness educator with a specialist knowledge and practice in massage therapy. You will be equipped to work in a variety of settings, including health and leisure centres, health promotion, spa/wellness centres, hotels, mainstream and special-needs schools, community centres, clinical settings, workplaces and in the private/entrepreneurial area being competent to specialise in hands on relaxation and clinical massage techniques, aquatic therapy, activity leadership, remedial and orthopaedic massage. Graduates can take up employment opportunities in the areas of sports development/coaching, sports massage and rehabilitation, health and wellbeing promotion, in the area of physical education with young and older adult groups and in adapted physical activity education.



First Year at a Glance

- **Exercise Science – Anatomy and Physiology:** the aim of this module is to explain, through principles and concepts of physiology and anatomy, the structure of the human body and how physiological systems contribute to overall body function
- **Health and Personal Wellbeing:** in this introductory health studies module, student lifestyle, health choices and personal wellness will be explored
- **Massage Theory:** the aim of this module is to explore the effect of massage therapy on holistic health and identify practices that are evidence based
- **Activity Leadership:** this module brings students to a level of competence in the planning, delivery and evaluation of individual and group exercise sessions in the exercise to music and gym environments with healthy adults using a whole-part-whole approach



www.mtu.ie/MT912

Health and Leisure with Massage

Sláinte agus Fóillíocht le Suathaireacht

Application: CAO

CAO Code: MT 512

NFQ Level: 7

Award Title: Bachelor of Science in Health and Leisure with Massage

Duration: 3 Years (6 Semesters)

Places: 10

Location: MTU Kerry North Campus



Entry 2022

SCORE THE NECESSARY CAO POINTS AND MEET
MINIMUM LEAVING CERTIFICATE REQUIREMENTS
5 SUBJECTS

SUBJECTS 06/H7	SUBJECTS H5	MATHS GRADE	ENGLISH OR IRISH GRADE
5	0	06/H7	06/H7

NOTE 1: Applicants must provide certification of fitness for a programme with regular vigorous physical activity.

NOTE 2: Vetting by an Garda Síochána is a mandatory requirement for this programme.

Overview

This degree provides you the opportunity to develop your knowledge and professional skills in preparation for an exciting career in the health, fitness and leisure sector – and as a massage therapist. The programmes consist of applied, active training programmes (massage casework, aquatic therapy, aquatic rehabilitation, posture cultivation, functional assessment, fitness testing) and the theoretical foundations underpinning the promotion of wellness (wellbeing science, behaviour change, exercise referral) and optimal body function through massage/body work.

The programme emphasises community engagement, relevant massage practice, wellness education and the importance of a broad skill set. As you progress, you can expect to become confident in your professional skills, your life skills and in communicating the theoretical basis for concepts in health and leisure. Graduates will have a bachelor of science degree, massage therapist registration and may also be eligible for professional fitness instructor registration in group exercise, gym instruction and personal training.

Further Studies

Suitably qualified Level 7 graduates are eligible to progress to year 4 (final year)

- Bachelor of Science (Honours) in Health and Leisure with Massage.

PLEASE NOTE: if you sustain injuries that impact your physical engagement with the programme, this may affect your ability to continue on the programme and/or to progress.

Question Time

Is there an exit award from this course?

Yes, students who successfully complete year two of this programme and who do not wish to progress to third year are eligible to receive a higher certificate award.

Contact Information

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Career Opportunities

On graduation, you will be a health and fitness professional, a wellness educator with a specialist knowledge and practice in massage therapy. You will be equipped to work in a variety of settings, including health and leisure centres, health promotion, spa/wellness centres, hotels, mainstream and special-needs schools, community centres, clinical settings, workplaces and in the private/entrepreneurial area being competent to specialise in hands on relaxation and clinical massage techniques, aquatic therapy, activity leadership, remedial and orthopaedic massage. Graduates can take up employment opportunities in the areas of sports development/coaching, sports massage and rehabilitation, health and wellbeing promotion, in the area of physical education with young and older adult groups and in adapted physical activity education.



First Year at a Glance

- Exercise Science – Anatomy and Physiology: the aim of this module is to explain, through principles and concepts of physiology and anatomy, the structure of the human body and how physiological systems contribute to overall body function
- Health and Personal Wellbeing: in this introductory health studies module, student lifestyle, health choices and personal wellness will be explored
- Massage Theory: the aim of this module is to explore the effect of massage therapy on holistic health and identify practices that are evidence based
- Activity Leadership: this module brings students to a level of competence in the planning, delivery and evaluation of individual and group exercise sessions in the exercise to music and gym environments with healthy adults using a whole-part-whole approach



Inclusive Sport and Physical Activity (Honours)

Spórt agus Gníomhaíocht Choirp Lánpháirtíochta (Onóracha)

Application: CAO

CAO Code: MT 914

NFQ Level: 8

Award Title: Bachelor of Science (Honours) in Inclusive Sport and Physical Activity

Duration: 4 Years (8 Semesters)

Places: 16

Location: MTU Kerry North Campus



Entry 2022

SCORE THE NECESSARY CAO POINTS AND MEET
MINIMUM LEAVING CERTIFICATE REQUIREMENTS
6 SUBJECTS

SUBJECTS 06/H7	SUBJECTS H5	MATHS GRADE	ENGLISH OR IRISH GRADE
4	2	06/H7	06/H7

NOTE 1: Applicants must provide certification of fitness for a programme of vigorous physical activity.

NOTE 2: Vetting by an Garda Síochána is a mandatory requirement for this programme.

Overview

This programme in Inclusive Sport and Physical Activity offers prospective students the opportunity to study health, adapted physical activity (APA), adapted physical education (APE) and sport in an honours degree programme which focuses particularly on the provision of opportunities for people with disabilities, as well as for the population in general. In recent years, government sport and health policy has focused on increasing choice and opportunities for adults and children with disabilities to lead an active and healthy lifestyle. This course aims to develop the professional skills to achieve this change.

The Kerry Campus of MTU is recognised internationally as one of the leading centres in the world for inclusion education and APA. This programme aims to develop the learner so that on completion of the BSc (Honours) degree, the graduate will be able to

- Apply a specialist knowledge of health studies, exercise science, activity leadership, physical education, youth development studies, sports development, sports psychology, coaching, leisure marketing, disability studies and relevant work experience, in the Health, Fitness, Recreation, and Education sectors
- Practice in context, knowledge and skills in either education in aquatics or outdoor and experiential learning or massage therapies
- Articulate an in-depth understanding of the theory, concepts and methods pertaining to safe and effective practice in health-related fitness and in inclusive and adapted physical activity.
- Critically analyse and evaluate relevant knowledge in health-related fitness and in inclusive and adapted physical activity settings and interventions
- Facilitate the achievement of optimal physical functioning and capacity of individuals using a biopsychosocial model.
- Provide and manage interventions that incorporate knowledge from the diverse areas within the course
- Demonstrate relevant knowledge to adopt systematic approaches to health-related fitness and in inclusive and adapted physical activity based on best available evidence

Further Studies

Suitably qualified graduates may progress to

- MSc in Applied Exercise for Health

or to research at either master or PhD level.

PLEASE NOTE: if you sustain injuries that impact your physical engagement with the programme, this may affect your ability to continue on the programme and/or to progress.

Question Time

Is there an exit award from this course?

Yes, in fact there are two exit awards. Students who successfully complete year two of this programme and who do not wish to progress to third year are eligible to receive a higher certificate award. Students who successfully complete year three of this programme and who do not wish to progress to fourth year are eligible to receive an ordinary degree award.

Contact Information

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Career Opportunities

This honours degree programme provides students with a specialist skill set which includes comprehensive knowledge, skills and competencies to operate as

- APA practitioners
- Aquatic and outdoor instructors
- Personal trainers
- Development officers
- Policy-makers in the disability sector



First Year at a Glance

- Building your Science Degree: the aim of this module is to support students in their transition to becoming independent learners in higher education by enabling them to develop learning skills and strategies essential for success on their respective programmes
- Anatomy and Physiology: the aim of this module is to explain, through principles and concepts of physiology and anatomy, the structure of the human body and how physiological systems contribute to overall body function
- Physical Education and Coaching Studies: enables students to critique human movement in order to facilitate learning and development in others across a range of movement contexts
- Health and Personal Wellbeing: in this introductory health studies module, student lifestyle, health choices and personal wellness will be explored
- Inclusive Community Engaged Learning: the aim of this module is to engender an ethos of active citizenship amongst this student cohort
- Activity Leadership: this module brings students to a level of competence in the planning, delivery and evaluation of individual and group exercise sessions in the exercise to music and gym environments with healthy adults using a whole-part-whole approach



Inclusive Sport and Physical Activity

Spórt agus Gníomhaíocht Choirp Lánpháirtíochta

Application: CAO

CAO Code: MT 514

NFQ Level: 7

Award Title: Bachelor of Science in Inclusive Sport and Physical Activity

Duration: 3 Years (6 Semesters)

Places: 16

Location: MTU Kerry North Campus

Entry 2022

SCORE THE NECESSARY CAO POINTS AND MEET
MINIMUM LEAVING CERTIFICATE REQUIREMENTS
5 SUBJECTS

SUBJECTS 06/H7	SUBJECTS H5	MATHS GRADE	ENGLISH OR IRISH GRADE
5	0	06/H7	06/H7

NOTE 1: Applicants must provide certification of fitness for a programme of vigorous physical activity.

NOTE 2: Vetting by an Garda Síochána is a mandatory requirement for this programme.



Overview

This programme in Inclusive Sport and Physical Activity offers prospective students the opportunity to study health, adapted physical activity (APA), adapted physical education (APE), and sport in a degree programme which focuses particularly on the provision of opportunities for people with disabilities, as well as for the population in general. In recent years, government sport and health policy has focused on increasing choice and opportunities for adults and children with disabilities to lead an active and healthy lifestyle. This course aims to develop the professional skills to achieve this change.

The Kerry Campus of MTU is recognised internationally as one of the leading centres in the world for inclusion education and APA. This programme aims to develop the student so that on completion of the level 7 degree, the graduate will be able to

- Apply a knowledge of health studies, exercise science, activity leadership, physical education, youth development studies, sports development, sports psychology, coaching, leisure marketing, disability studies and relevant work experience, in the Health, Fitness, Recreation, sectors
- Practice in context, knowledge and skills in either education in aquatics or outdoor and experiential learning or massage therapies
- Articulate understanding of the theory, concepts and methods pertaining to safe and effective practice in health-related fitness and in inclusive and adapted physical activity
- Evaluate relevant knowledge in health-related fitness and in inclusive and adapted physical activity settings and interventions
- Facilitate with relevant opportunities, the physical functioning and capacity of individuals using a biopsychosocial model
- Implement health-related fitness, inclusive and adapted physical activity interventions that incorporate knowledge from the diverse areas within the course
- Demonstrate relevant knowledge to implement systematic approaches to health-related fitness and in inclusive and adapted physical activity based on best available evidence

Further Studies

Suitably qualified Level 7 graduates are eligible to progress to year 4 (final year)

- Bachelor of Science (Honours) in Inclusive Sport and Physical Activity

PLEASE NOTE: if you sustain injuries that impact your physical engagement with the programme, this may affect your ability to continue on the programme and/or to progress.

Question Time

Is there an exit award from this course?

Yes, students who successfully complete year two of this programme and who do not wish to progress to third year are eligible to receive a higher certificate award.

Contact Information

Fiona O'Flynn
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Career Opportunities

This degree programme provides students with a specialist skill set which includes comprehensive knowledge, skills and competencies to operate as

- APA practitioners
- Aquatic and outdoor instructors
- Personal trainers
- Development officers
- Policy-makers in the disability sector



First Year at a Glance

- Building your Science Degree: the aim of this module is to support students in their transition to becoming independent learners in higher education by enabling them to develop learning skills and strategies essential for success on their respective programmes
- Anatomy and Physiology: the aim of this module is to explain, through principles and concepts of physiology and anatomy, the structure of the human body and how physiological systems contribute to overall body function
- Physical Education and Coaching Studies: enables students to critique human movement in order to facilitate learning and development in others across a range of movement contexts
- Health and Personal Wellbeing: in this introductory health studies module, student lifestyle, health choices and personal wellness will be explored
- Inclusive Community Engaged Learning: the aim of this module is to engender an ethos of active citizenship amongst this student cohort
- Activity Leadership: this module brings students to a level of competence in the planning, delivery and evaluation of individual and group exercise sessions in the exercise to music and gym environments with healthy adults using a whole-part-whole approach



Recreation & Leisure Management

Bainistíocht Áineasa & Fóillíochta

Application: CAO

CAO Code: MT 510

NFQ Level: 7

Award Title: Bachelor of Business in Recreation & Leisure Management

Duration: 3 Years (6 Semesters)

Places: 40

Location: MTU Bishopstown Campus, Cork



Entry 2022

SCORE THE NECESSARY CAO POINTS AND MEET
MINIMUM LEAVING CERTIFICATE REQUIREMENTS
5 SUBJECTS

SUBJECTS 06/H7	SUBJECTS H5	MATHS GRADE	ENGLISH OR IRISH GRADE
5	0	06/H7	06/H7

NOTE: Vetting by an Garda Síochána is a mandatory requirement for this programme.

Overview

This programme combines health, fitness, sports and exercise related modules with core Business modules. The programme prepares students to work in the business, sports and leisure sector of the economy and provides them with the specialist skills and competencies needed in these industries.

The leisure industry is one of the fastest growing sectors of the economy. This has created a demand for personnel with specialist knowledge and skills in recreation and leisure. This programme combines such skills and competencies with a strong business base, while offering students the opportunity to acquire appropriate practical and managerial expertise, which will enable them to be effective managers in the recreation and leisure industry. There is a mandatory supervised work placement of five weeks in year 3 (e.g. leisure centres, adapted physical activity centres and sports coaching settings).

Professional Accreditation

A number of industry recognised external qualifications are incorporated into the programme. These include REPs (Register of Exercise Professionals) Ireland Qualifications in the area of fitness instruction and personal training. Coaching Ireland awards in a variety of sports are incorporated into the sports coaching modules. Qualifications in lifesaving, swim teaching, ITEC massage therapy, and sports massage can also be attained. MTU, through the Sport & Exercise Management programme, is an affiliated University with the European College of Sport Science (ECSS).

Further Studies

Suitably qualified graduates are eligible to apply for entry to year 4 (final year) of

- Bachelor of Business (Honours) in Sport & Exercise Management
- or to the one year add-on
- Bachelor of Business (Honours)

Question Time

What sport aptitude do I need to have?

Active participation in sport and/or physical activity is an advantage. However, applicants do not need to have exceptional ability or achievements in sport to excel in this programme.

What areas of teaching am I qualified to teach in?

As with any Level 7 qualification, teaching is not an immediate possibility. However, for those students who decide to progress to the Bachelor of Business (Honours) in Sport & Exercise Management or the Bachelor of Business (Honours), there are two primary possibilities to embark on further study in teacher education:

- Professional Master of Education (PME) in Primary Teaching, which is a 2-year Level 9 qualification, as long as the applicant presents with the minimum Leaving Certificate requirement in Irish or suitable equivalent. The Department of Education recognises this PME to teach in primary schools
- Professional Master of Education in Business Teaching, which is accredited by the Teaching Council. This postgraduate teacher education programme is offered in several universities.

It is important to note there is no route into PE teaching from this course. Please see MT 915 and MT 911 which do provide a route into PE teaching.

What type of business content is involved in the course?

Accounting, Business Administration, Marketing, Economics, Management, and Enterprise Development are the business modules covered over the three years of this programme.

Contact Information

Dr Con Burns
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Career Opportunities

This programme offers access to a wide range of employment opportunities in the sport and leisure industry such as leisure/sports centre management, personal trainer, strength and conditioning coach, sports coaching/team management, swim teaching and lifeguarding, group exercise leadership, sports development, health promotion, community recreation, and sports marketing.

- Fitness instructor
- Personal trainer/strength and conditioning coach
- Leisure/sports centre management
- Sports coaching/team management



First Year at a Glance

- Fundamental Movement Skills: practical and theoretical aspects of planning, teaching and evaluating effective activity sessions to develop basic movement skills among children
- Gym Instruction: prepares the student for work as a gym instructor and as a circuit training instructor. The emphasis is on the student's ability to perform and demonstrate exercises correctly and on developing their skills to instruct
- Sports Psychology: basic theories of sports psychology and identifies ways in which it can be used in a sports performance setting
- Nutrition for Health: nutrition and its relationship with health-related matters such as diet, weight management, and obesity



Sport & Exercise Management (Honours)

Bainistíocht Spóirt & Aclaíochta (Onóracha)

Application: CAO

CAO Code: MT 910

NFQ Level: 8

Award Title: Bachelor of Business (Honours) in Sport & Exercise Management

Duration: 4 Years (8 Semesters)

Places: 40

Location: MTU Bishopstown Campus, Cork

Entry 2022

SCORE THE NECESSARY CAO POINTS AND MEET
MINIMUM LEAVING CERTIFICATE REQUIREMENTS
6 SUBJECTS

SUBJECTS 06/H7	SUBJECTS H5	MATHS GRADE	ENGLISH OR IRISH GRADE
4	2	06/H7	06/H7

NOTE: Vetting by an Garda Síochána is a mandatory requirement for this programme.



Overview

This programme has been designed to cater for those who wish to pursue a career in the sport, exercise and health industries, both in Ireland and abroad. The delivery is based on the combination of key theories with applied research and practical skills to afford graduates appropriate knowledge, skills and competencies to work as professionals in a wide range of settings in the sport, leisure and business industry. The programme was developed in response to the demands of the expanding global sport and leisure industry, who are constantly seeking 'work-ready' graduates with strong technical proficiencies and significant experience-bases in the growth area of interdisciplinary sport, exercise and health.

The extensive work placement is an integral element of this programme and takes place in year 3 (semester 6). This significant placement experience affords students (i) the opportunity to experience the industry in greater depth, but also (ii) the time to express their skills, knowledge and proficiencies gained from the programme content in their respective workplaces.

Professional Accreditation

A number of industry recognised external qualifications are incorporated into the programme. These include REPs (Register of Exercise Professionals) Ireland qualifications in the area of fitness instruction and personal training. Coaching Ireland awards in a variety of sports are incorporated into the sports coaching modules. Qualifications in lifesaving, swim teaching, ITEC massage therapy, and sports massage can also be attained. MTU, through the Sport & Exercise Management programme, is an affiliated University with the European College of Sport Science (ECSS).

Further Studies

Suitably qualified graduates are eligible to apply for postgraduate studies such as: Physiotherapy (MSc. in UCC or UL), Sports Management (MSc. in UCD), Sports Performance (MSc. in UL), Sports Psychology (MSc. in UL), and Teacher Education (PME Business in UCC, UL, NUIG, MU amongst others).

Question Time

What sport aptitude do I need to have?

Active participation in sport and/or physical activity is an advantage. However, applicants do not need to have exceptional ability or achievements in sport to excel in this programme.

Is there a direct link to PE teaching if I complete this programme?

No. It is important to note that there is no direct link between the BBus (Honours) in Sport & Exercise Management degree programme and PE teaching.

Please see MT 915 and MT 911 which do provide a route into PE teaching.

Is there a pathway to teaching from this course?

There are 2 primary possibilities to embark on further study in Teacher Education.

- Professional Master of Education (PME) in Primary Teaching, which is a 2-year Level 9 Qualification, provided the applicant presents with the minimum Leaving Certificate requirement in Irish or suitable equivalent. The Department of Education recognises this PME to teach in primary schools.
- Professional Master of Education in Business Teaching, which is accredited by the Teaching Council. This postgraduate Teacher Education programme is offered in several universities.

Contact Information

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Career Opportunities

Graduates will work at management level in sport, exercise, health and physical activity promotion. Graduates will have expertise in their chosen field by completing specific niche modules in the sport/exercise/health domain (e.g. Advanced Coaching Pedagogy, Strength and Conditioning, Performance Analysis and Management, Applied Sports Psychology and Clinical Exercise).

- Strength and Conditioning Coach/Sports Coach for High Performance Teams
- Fitness Professional/Personal Trainer
- Development Officer for Sports Governing Bodies/Sports Partnerships
- Health Promotion Officer
- Corporate Wellness Professional
- Sports Performance Analyst



First Year at a Glance

- Fundamental Movement Skills: practical and theoretical aspects of planning, teaching and evaluating effective activity sessions to develop basic movement skills among children
- Gym Instruction: prepares the student for work as a gym instructor and as a circuit training instructor. The emphasis is on the student's ability to perform and demonstrate exercises correctly and on developing their skills to instruct
- Sports Psychology: basic theories of sports psychology and identifies ways in which it can be used in a sports performance setting
- Nutrition for Health: nutrition and its relationship with health-related matters such as diet, weight management, and obesity
- Business, Sport & Leisure Administration: examines the necessary administrative, financial, technical programming, marketing, and customer service skills







Social Sciences, and Education

Succeeding Together

CAO Code	NFQ Level	Course	Page
MT 575	7	Bachelor of Arts in Community Development	66
MT 971	8	Bachelor of Arts (Honours) in Early Childhood Education and Care	67
MT 571	7	Bachelor of Arts in Early Childhood Education and Care	68
MT 572	7	Bachelor of Arts in Early Childhood Education & Care	69
MT 970	8	Bachelor of Education (Honours) in Montessori Education	70
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Symbol Key:



Work Placement



Progression to the next NFQ level



Garda Vetting



Medical Required



Exit Award

Community Development

Forbairt Pobail

Application: CAO

CAO Code: MT 575

NFQ Level: 7

Award Title: Bachelor of Arts in Community Development

Duration: 3 Years (6 Semesters)

Places: 25

Location: MTU Bishopstown Campus, Cork



Entry 2022

SCORE THE NECESSARY CAO POINTS AND MEET
MINIMUM LEAVING CERTIFICATE REQUIREMENTS
5 SUBJECTS

SUBJECTS 06/H7	SUBJECTS H5	MATHS GRADE	ENGLISH OR IRISH GRADE
5	0	NOTE 1	06/H7

NOTE 1: There is no requirement for Maths. A Grade F2 or higher in foundation level Maths is recognised as one of the subjects for entry.

NOTE 2: Vetting by an Garda Síochána is a mandatory requirement for this programme.

Overview

The broad aim of the programme is to provide an opportunity for people who are active in the community to achieve formal qualifications in the community work field. This course has been developed in partnership with community groups and consists of lectures, workshops, and seminars, combined with a substantial practical element, based in the community. Participants will remain within the community setting, thereby sustaining their contribution to the community while developing the capacity to add value to that contribution through supervised and supported learning in the workplace.

The course is assessed by continuous assessment: essay, reports, role play and presentations. Practical work placement within the community will also contribute to assessment. No formal, terminal, written examination is undertaken.

Further Studies

Suitably qualified graduates may be considered to proceed to the one year add-on

- Bachelor of Arts (Honours) in Community Development

Where applicants for the Honours Degree do not have a qualification at NFQ Level 7 in Community Development at the specified minimum level, they may be admitted on the basis of a learning portfolio that verifiably demonstrates learning performance equal to that specified by the learning outcomes of the BA degree programme at MTU.

Question Time

What is the weekly workload?

The BA in Community Development is a full-time programme at MTU Bishopstown Campus, Cork. Your weekly work schedule will consist of lectures at the Bishopstown Campus as well as supervised work placements. The placement is an integral part of the programme and is core to your professional development. In addition, employers value the experience gained via the supervised placement.

What are the arrangements for the work placement?

The work placement will take place in selected locations around Cork city, which are easily accessible via public transport.

What personal skills are most suited to the programme and subsequent careers?

The best students and professional community workers all possess a keen interest in social justice issues alongside a desire to make a positive difference to peoples' lives.

What kind of person should you be?

The community work profession requires individuals who are mindful of their responsibility towards other people and their communities.

The community work professional also involves a strong legal and ethical commitment to promoting the safety of children and 'vulnerable' adults in society.

Contact Information

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Career Opportunities

Graduates of the degree programme can expect to take community work and leadership roles in community projects and within statutory agencies.

- Statutory organisations
- Non-governmental organisations (NGOs) – community youth services
- Social enterprises in communities
- Community equality project for women, men, LGBTQI+ communities
- Creative community arts projects in music & arts



First Year at a Glance

- Community Development: community development principles and everyday life
- Community Work Placement 1: the application of theory in practice settings
- Sociology and Community: sociology in community spaces
- Social Analysis: analysis of how Irish and European society functions
- Education: analysis of the Education system in Ireland and the EU
- Group Work and Community: applying group work principles and practice in community contexts



Early Childhood Education and Care (Honours)

Oideachas agus Cúram Luathóige (Onóracha)

Application: CAO

CAO Code: MT 971

NFQ Level: 8

Award Title: Bachelor of Arts (Honours) in Early Childhood Education and Care

Duration: 4 Years (8 Semesters)

Places: 40

Location: MTU Kerry North Campus



Entry 2022

SCORE THE NECESSARY CAO POINTS AND MEET
MINIMUM LEAVING CERTIFICATE REQUIREMENTS
6 SUBJECTS

SUBJECTS 06/H7	SUBJECTS H5	MATHS GRADE	ENGLISH OR IRISH GRADE
4	2	06/H7/F2*	06/H7

NOTE 1: *A grade of F2 or above in foundation level Maths fulfils the Maths entry requirements for this programme.

NOTE 2: Vetting by an Garda Síochána is a mandatory requirement for this programme.

Overview

The past two decades have seen a rapid expansion in early childhood services in Ireland and an increasing awareness of the educational and training needs of early childhood practitioners. This is an applied programme, where the emphasis is on achieving high academic standards and delivering work-based learning in supervised practice placements. We also teach the necessary managerial skills to set up and run a service. This approach is all about helping you to get the knowledge, values and skills needed to perform exceptionally in your chosen field, to engage in research or manage a facility.

This degree programme is delivered through a blend of lectures, workshops, practicals, tutorials and online support. Work placements are an integral part of the programme. All students participate in a supervised work placement in one of a variety of settings in Ireland or abroad for two full semesters. In the final year of the programme, you study research methods, specialise in chosen areas and complete a dissertation on a topic of your choice.

Our graduates often comment on the extremely enjoyable yet challenging nature of the programme, the high level of networking between staff and students and the peer support and camaraderie of fellow students. We promote current best practice in early childhood studies and have Erasmus links with a range of partner EU institutions. All students are encouraged to develop their own learning styles and professional pathways. To that end, staff teaching on these programmes are supported by a range of professionals, guest lecturers, therapists, and specialists who offer workshops and seminars to deliver a highly interactive learning environment.

Further Studies

Suitably qualified graduates are eligible to apply to

- Master of Arts in Social Studies (Advanced Professional Practice) at MTU Kerry North Campus or to research at either master or PhD level.
- Professional Master of Education (primary teaching). Please note, applicants to the PME must meet the required Leaving Certificate Irish standard for primary teaching i.e. H4 or equivalent.

Contact Information

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Career Opportunities

There are increasing demands for qualified graduates in early childhood education in both the private and public sectors, and because this award is internationally recognised, graduates also have the opportunity to work abroad.

Our graduates take up roles such as

- Centre leader/manager
- Curriculum developer
- Community outreach
- In special education
- Early intervention specialists



First Year at a Glance

- Introduction to Sociology in the Early Years: introduces the discipline of sociology and sociological perspectives in general and begins to explore how the development of a sociological approach can inform a wide range of disciplines, including early childhood education and care (ECEC)
- Early Learning and Play: enables students to appreciate the practical and theoretical importance of play as a medium of development and learning in young children's lives
- Aistear through Creative Dance and Drama in Education: applies the principles of Aistear to the teaching of dance and drama
- Maternal, Infant and Child Health: teaches students to recognise the value of good quality child and maternal environment during pregnancy, infancy and the early years and how this may have life-long consequences
- Language, Numeracy and Literacy: teaches students appropriate methodologies which enhance learning in early childhood
- Childhood and Social Policy: introduces the concept of the social construction of childhood and to the process of policy-making. Also provides a comprehensive overview of key policy developments and contemporary debates within ECEC in Ireland



Early Childhood Education and Care

Oideachas agus Cúram Luathóige

Application: CAO

CAO Code: MT 571

NFQ Level: 7

Award Title: Bachelor of Arts in Early Childhood Education and Care

Duration: 3 Years (6 Semesters)

Places: 40

Location: MTU Kerry North Campus



Entry 2022

SCORE THE NECESSARY CAO POINTS AND MEET
MINIMUM LEAVING CERTIFICATE REQUIREMENTS
5 SUBJECTS

SUBJECTS 06/H7	SUBJECTS H5	MATHS GRADE	ENGLISH OR IRISH GRADE
5	0	06/H7/F2*	06/H7

NOTE 1: *A grade of F2 or above in foundation level Maths fulfils the Maths entry requirements for this programme.

NOTE 2: Vetting by an Garda Síochána is a mandatory requirement for this programme.

Overview

The past two decades have seen a rapid expansion in early childhood services in Ireland and an increasing awareness of the educational and training needs of early childhood practitioners. This is an applied programme, where the emphasis is on achieving high academic standards and delivering work-based learning in supervised practice placements. We also teach the necessary managerial skills to set up and run a service. This approach is all about helping you to get the knowledge, values and skills needed to perform exceptionally in your chosen field, to engage in research or manage a facility.

This degree programme is delivered through a blend of lectures, workshops, practicals, tutorials and online support. Work placements are an integral part of the programme. All students participate in a supervised work placement in one of a variety of settings in Ireland or abroad for two full semesters.

Our graduates often comment on the extremely enjoyable yet challenging nature of the programme, the high level of networking between staff and students and the peer support and camaraderie of fellow students. We promote current best practice in early childhood studies and have Erasmus links with a range of partner EU institutions. All students are encouraged to develop their own learning styles and professional pathways. To that end, staff teaching on these programmes are supported by a range of professionals, guest lecturers, therapists and specialists who offer workshops and seminars to deliver a highly interactive learning environment.

Further Studies

Suitably qualified Level 7 graduates are eligible to progress to year 4 (final year)

- Bachelor of Arts (Honours) in Early Childhood Education and Care

Question Time

On successful completion of MT 571, am I fully qualified to work in an Early Childhood Education & Care setting?
Yes.

Is there a pathway to primary school teaching from this programme?

If you progress, and successfully complete, the one year add-on to bring your qualification to level 8, you may be eligible to apply for the Professional Master of Education (PME) in Primary Teaching, which is a 2-year Level 9 qualification. Please note, applicants to the PME must meet the required Leaving Certificate Irish standard for primary teaching i.e. H4 or equivalent.

Contact Information

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Career Opportunities

There are increasing demands for qualified graduates in early childhood education in both the private and public sectors, and because this award is internationally recognised, graduates also have the opportunity to work abroad.

Our graduates take up roles such as

- Childcare worker
- Early childcare educator
- Centre leader/manager
- Curriculum developer
- Community outreach
- In special education
- Early intervention specialists



First Year at a Glance

- Introduction to Sociology in the Early Years: introduces the discipline of sociology and sociological perspectives in general and begins to explore how the development of a sociological approach can inform a wide range of disciplines, including early childhood education and care (ECEC)
- Early Learning and Play: enables students to appreciate the practical and theoretical importance of play as a medium of development and learning in young children's lives
- Aistear through Creative Dance and Drama in Education: applies the principles of Aistear to the teaching of dance and drama
- Maternal, Infant and Child Health: teaches students to recognise the value of good quality child and maternal environment during pregnancy, infancy and the early years and how this may have life-long consequences
- Language, Numeracy and Literacy: teaches students appropriate methodologies which enhance learning in early childhood
- Childhood and Social Policy: introduces the concept of the social construction of childhood and to the process of policy-making. Also provides a comprehensive overview of key policy developments and contemporary debates within ECEC in Ireland



Early Childhood Education & Care

Oideachas agus Cúram Luathóige

Application: CAO

CAO Code: MT 572

NFQ Level: 7

Award Title: Bachelor of Arts in Early Childhood Education & Care

Duration: 3 Years (6 Semesters)

Places: 60

Location: MTU Bishopstown Campus, Cork



Entry 2022
SCORE THE NECESSARY CAO POINTS AND MEET
MINIMUM LEAVING CERTIFICATE REQUIREMENTS
5 SUBJECTS

SUBJECTS 06/H7	SUBJECTS H5	MATHS GRADE	ENGLISH OR IRISH GRADE
5	0	NOTE 1	06/H7

NOTE 1: There is no requirements for Maths. A grade F2 of higher in foundation level Maths is recognised as one of the subjects for entry.

NOTE 2: Vetting by an Garda Síochána is a mandatory requirement for this programme.

Overview

There is an ever increasing demand for quality pre-school services in Ireland today and the BA in Early Childhood Education & Care (ECEC) provides specialised training, support, advice and information on best practice for the education and care of young children from 0 to 6 years with a view to supporting the development of an ECEC workforce.

The ECEC programme aims to train graduates to educate and meet the needs of children aged 0-6 years and to manage childcare facilities. The various biological, cognitive, emotional, and social stages of a child's development are studied.

The programme offers the student the opportunity to study early childhood from differing perspectives – educational, psychological, social, and cultural. The programme also includes tuition in art, music and drama, which provides an extensive portfolio of child-centred activities. Attention is also paid to practical skills needed in this type of work such as child health, exercise and nutrition, and the physical care of children.

Central to the degree is the Professional Work Practice (PWP), i.e. a placement experience of 12 weeks duration in both years 2 and 3 of the programme. This involves supervised hands-on experience in centres approved by the University, for example, preschools, naíonraí, creches, primary schools, and centre for children with special educational needs.

There is an option of international placements with partner organisations in other European programmes in both year 2 and 3 of the programme.

Further Studies

Suitably qualified graduates are eligible to apply for entry to the one year add-on

- Bachelor of Arts (Honours) in Early Childhood Education & Care

Honours degree holders who achieve the specified level of academic performance are eligible to apply for a postgraduate programme of study, both at MTU and at other third level colleges in Ireland and abroad.

Question Time

On successful completion of MT 572, am I fully qualified to work in an Early Childhood Education & Care setting?
Yes.

Is there a pathway to primary school teaching from this programme?

If you progress and successfully complete the BA ECEC (Honours), graduates are eligible to apply for the Professional Master of Education (PME) in Primary Teaching, which is a 2-year Level 9 qualification, as long as they present with the minimum Leaving Certificate requirement in Irish or suitable equivalent. The Department of Education recognises this PME to teach in primary schools.

Contact Information

Dr Judith Butler
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Career Opportunities

Employment opportunities include working in the early childhood education & care industry; children with specific learning needs; children's residential care centres; family and community support centres; and after school services. BA Honours graduates (Level 8) are strongly positioned and fully qualified to take up management roles in each of the above settings.



First Year at a Glance

- Process Led Arts: artistic elements within the disciplines of music, art and drama. The artistic elements will be central to the concepts explored within experiential workshops
- Creative & Critical Thinking: creativity & creative development promotes and extends critical thinking in the context of the young child
- Playful Learning: Birth to 3: fosters student awareness of the significance of play as a fundamental right for all children and its impact on the holistic learning and development of children from birth to age 3
- Development Psychology: psychology of child development, and to enable the student to apply principles of developmental psychology in a variety of ECEC settings



Montessori Education (Honours)

Oideachas Montessori (Onóracha)

Application: CAO

CAO Code: MT 970

NFQ Level: 8

Award Title: Bachelor of Education (Honours) in Montessori Education

Duration: 4 Years (8 Semesters)

Places: 20

Location: MTU Bishopstown Campus, Cork



Entry 2022

SCORE THE NECESSARY CAO POINTS AND MEET
MINIMUM LEAVING CERTIFICATE REQUIREMENTS
6 SUBJECTS

SUBJECTS 06/H7	SUBJECTS H5	MATHS GRADE	ENGLISH OR IRISH GRADE
4	2	06/H7	06/H7

NOTE: Vetting by an Garda Síochána is a mandatory requirement for this programme.

Overview

This programme serves to provide students with a comprehensive understanding of the Montessori approach to the education and care of children in early and middle childhood. Students are supported to develop the requisite knowledge(s), values and competencies to work effectively in a range of education and care settings, in line with current legislation, standards and quality frameworks.

The aim of professional practice placement (years 2 and 3) is to provide students with the opportunity to experience various education and care settings, thus facilitating the professional growth, development and training of the student over the duration of this programme of study.

Learning situations within the working environment facilitate the student to integrate theory and practice and develop competence in practice skills.

Further Studies

Suitably qualified graduates may progress to

- Teacher Education (PME Primary Teaching, Mary Immaculate College; Maynooth University; Dublin City University; and Marino Institute of Education)
- Intervention (MA in Play Therapy, MTU; MSc in Speech & Language Therapy (Professional Qualification), University of Limerick)
- Leadership (MA in Leadership in Early Years Education and Care, Institute of Technology Carlow, Institute of Technology Sligo, and Technological University of Dublin)

Question Time

What is the difference between a BEd (Hons) in Montessori Education and a BA (Hons) in Early Childhood Education & Care (ECEC)?

While there are strong links between the existing ECEC programme in the department and this Montessori Education programme, there are also significant differences as the latter embeds Montessori philosophy and pedagogy throughout all the practice modules.

While graduates will have a foundation in ECEC in general, they will have specialist knowledge and practices in relation to the Montessori approach to education and care.

This BEd (Honours) in Montessori Education programme incorporates pedagogy relating to children from birth to twelve years of age while the BA in ECEC covers the span from birth to six years of age.

On successful completion of this honours degree, am I qualified to teach at primary school level?

Graduates are qualified to teach in Montessori primary schools in Ireland. These are fee-paying schools where children are educated using the Montessori pedagogy. Teachers in these schools do not require a Teaching Council number.

Is there a pathway to other primary school teaching from this course?

BEd (Honours) in Montessori Education graduates are eligible to apply for the Professional Master of Education (PME) in Primary Teaching, which is a 2-year Level 9 qualification, provided they present with the minimum Leaving Certificate requirement in Irish or suitable equivalent. The Department of Education recognises this PME to teach in Primary Schools.

Contact Information

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Career Opportunities

- Early childhood education and care practitioner and manager
- School age childcare practitioner and manager
- Montessori teacher in both early childhood and primary education settings
- Development worker with city and county childcare committees
- Quality specialist and/or inclusion specialist with Better Start
- Early Years Specialist with Tusla inspectorate
- Tutor and/or research assistant



First Year at a Glance

- Montessori: Child introduces students to the core principles of the Montessori philosophy of education with particular emphasis on the child from birth to three years of age
- Child Development & Learning explores the requisite knowledge and understanding of children's development and learning with particular emphasis on children from birth to 12 years
- Inclusion: Equality & Diversity aims to develop the student's understanding of equality, diversity and inclusion in early childhood education and care settings in Ireland
- Learning to Move, Moving to Learn examines the role of movement in a child's development from birth to age 12; planning, implementing and evaluating physical activity and movement opportunities for children
- Introduction to the Arts within the disciplines of music, art and drama. The artistic elements are central to the concepts explored within experiential workshops



Social Care (Honours)

Cúram Sóisialta (Onóracha)

Application: CAO

CAO Code: MT 974

NFQ Level: 8

Award Title: Bachelor of Arts (Honours) in Social Care

Duration: 4 Years (8 Semesters)

Places: 16

Location: MTU Kerry North Campus



Entry 2022

SCORE THE NECESSARY CAO POINTS AND MEET
MINIMUM LEAVING CERTIFICATE REQUIREMENTS
6 SUBJECTS

SUBJECTS 06/H7	SUBJECTS H5	MATHS GRADE	ENGLISH OR IRISH GRADE
4	2	06/H7/F2*	06/H7

NOTE 1: *A grade of F2 or above in foundation level Maths fulfils the Maths entry requirements for this programme.

NOTE 2: Vetting by an Garda Síochána is a mandatory requirement for this programme.

Overview

Social care is a profession where people work with those who experience marginalisation or disadvantage or who have special needs. Social care practitioners work in a wide variety of settings with a wide variety of people: children and adolescents in residential care, people with learning or physical disabilities, the homeless, people with alcohol/drug dependency, families in the community, older people or recent immigrants to Ireland. Social care practitioners typically work in a direct person-to-person capacity with service users. They will try to provide an environment in which various social, educational and relationship interventions can take place where the service user lives. Work in the sector is usually interdisciplinary. Typically, social care workers, social workers, early childhood care workers and so on work together in teams. This programme is delivered through a blend of lectures, workshops and two full semesters of off-site, supervised practice placement.

In this programme, it is essential that students develop practical working skills in a variety of real-world settings and demonstrate their competence in performing social care roles. To make sure that graduates are fully prepared for the diversity that this job offers, field work visits and placements are an integral part of the programme.

Further Studies

Suitably qualified graduates are eligible to apply to

- Master of Arts in Social Studies (Advanced Professional Practice) at MTU Kerry North Campus or to research at either master or PhD level.

Question Time

What is the difference between a Social Carer and a Social Worker?

A Social Carer will typically work in a direct person-to-person capacity with clients. He or she will seek to provide a caring, stable environment in which various social, educational and relationship interventions can take place in the day-to-day living space of the client.

The Social Worker's role is to manage the 'case', e.g. arranging the residential child care placement in which a child is placed; coordinating case review meetings; negotiating the termination of a placement; and responding to child protection concerns in a given area. (Social Care Ireland 2011)

Contact Information

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Career Opportunities

Due to the broad range of areas covered on the programme, there are a wide variety of career opportunities for graduates, in both the public and the voluntary sector.

Areas include

- Residential care
- Outreach
- Alcohol/drug dependency
- Family support
- Community care
- Support of older people
- Juvenile justice
- Community childcare services
- Carers of children with special needs
- Carers of adults with special needs and/or behavioural difficulties
- Outreach and family support services for children and adults living at home



First Year at a Glance

- Social Care Practice Skills: introduces the professional context of social care work
- Professionalism in Social Care: introduces the fundamental interpersonal, ethical and regulatory dimensions of social care practice
- Sociology and Social Policy: explores the introductory concepts of both disciplines and demonstrates their application to the social care profession
- Creative Arts Interventions: introduces the use of the arts as a significant means of intervention in social care and play-based contexts
- Sociology: introduces key sociological concepts and their application to social care practice
- Law for Social Care: law as it affects the person, the family and society
- Psychology of Normal Development: explores key topics in psychological research and theory on human development across the life span so as to establish a knowledge foundation that will be built upon to ultimately enable an informed, questioning and learning approach to professional social care practice



Social Care

Cúram Sóisialta

Application: CAO

CAO Code: MT 574

NFQ Level: 7

Award Title: Bachelor of Arts in Social Care

Duration: 3 Years (6 Semesters)

Places: 50

Location: MTU Kerry North Campus



Entry 2022

SCORE THE NECESSARY CAO POINTS AND MEET
MINIMUM LEAVING CERTIFICATE REQUIREMENTS
5 SUBJECTS

SUBJECTS 06/H7	SUBJECTS H5	MATHS GRADE	ENGLISH OR IRISH GRADE
5	0	06/H7/F2*	06/H7

NOTE 1: *A grade of F2 or above in foundation level Maths fulfils the Maths entry requirements for this programme.

NOTE 2: Vetting by an Garda Síochána is a mandatory requirement for this programme.

Overview

Social care is a profession where people work with those who experience marginalisation or disadvantage or who have special needs. Social care practitioners work in a wide variety of settings with a wide variety of people: children and adolescents in residential care, people with learning or physical disabilities, the homeless, people with alcohol/drug dependency, families in the community, older people or recent immigrants to Ireland. Social care practitioners typically work in a direct person-to-person capacity with service users. They will try to provide an environment in which various social, educational and relationship interventions can take place where the service user lives. Work in the sector is usually interdisciplinary. Typically, social care workers, social workers, early childhood care workers and so on work together in teams. This programme is delivered through a blend of lectures, workshops, and two full semesters of off-site, supervised practice placement.

In this programme, it is essential that students develop practical working skills in a variety of real-world settings and demonstrate their competence in performing social care roles. To make sure that graduates are fully prepared for the diversity that this job offers, field work visits and placements are an integral part of the programme.

Further Studies

Suitably qualified Level 7 graduates are eligible to progress to year 4 (final year)

- Bachelor of Arts (Honours) in Social Care

Question Time

What is the difference between a Social Carer and a Social Worker?

A Social Carer will typically work in a direct person-to-person capacity with clients. He or she will seek to provide a caring, stable environment in which various social, educational and relationship interventions can take place in the day-to-day living space of the client.

The Social Worker's role is to manage the 'case', e.g. arranging the residential child care placement in which a child is placed; coordinating case review meetings; negotiating the termination of a placement; and responding to child protection concerns in a given area. (Social Care Ireland 2011)

Contact Information

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Dr Pat McGarty
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E: patrick.mcgart@mtu.ie



Career Opportunities

Due to the broad range of areas covered on the programme, there are a wide variety of career opportunities for graduates, in both the public and the voluntary sector. Areas include

- Residential care
- Outreach
- Alcohol/drug dependency
- Family support
- Community care
- Support of older people
- Juvenile justice
- Community childcare services
- Carers of children with special needs
- Carers of adults with special needs and/or behavioural difficulties
- Outreach and family support services for children and adults living at home



First Year at a Glance

- Social Care Practice Skills: introduces the professional context of social care work
- Professionalism in Social Care: introduces the fundamental interpersonal, ethical and regulatory dimensions of social care practice
- Sociology and Social Policy: explores the introductory concepts of both disciplines and demonstrates their application to the social care profession
- Creative Arts Interventions: introduces the use of the arts as a significant means of intervention in social care and play-based contexts
- Sociology: introduces key sociological concepts and their application to social care practice
- Law for Social Care: law as it affects the person, the family and society
- Psychology of Normal Development: explores key topics in psychological research and theory on human development across the life span so as to establish a knowledge foundation that will be built upon to ultimately enable an informed, questioning and learning approach to professional social care practice



Social Care Work

Obair Chúraim Shóisialta

Application: CAO

CAO Code: MT 573

NFQ Level: 7

Award Title: Bachelor of Arts in Social Care Work

Duration: 3 Years (6 Semesters)

Location: MTU Bishopstown Campus, Cork



The Social Care Workers Registration Board is currently preparing for the registration of the profession (CORU). It is anticipated that the Social Care Workers Registration Board will open in 2022, at the earliest. CORU's work, in the meantime, includes the approval of education courses and requirements for registration including the code of Professional Conduct and Ethics. CORU will be assessing social care courses across Ireland for approval. In the case of MTU securing approval, graduates from the programme could apply for registration with CORU.

Overview

The course aims to strike a balance between theory and practice. Material from various disciplines is organised and presented in ways which enable students to see its relevance to the objectives of the course, to the placement settings and their own supervised practice. The student will be given the opportunity of acquiring some practical skills needed in this type of work, such as creative food preparation, and sport and leisure.

There is work placement in each year of the course. Such placements enable the student to apply theory taught on the course to a professional placement and to appreciate the number of, and variety of, relevant work situations. **NB:** While evidence or medical certification will explain an absence, it does not reduce the attendance requirements of placement (minimum placement hours) as stipulated in MTU's work placement module descriptors. Students who miss placement hours will be required to make up these hours.

Further Studies

Suitably qualified graduates are eligible to apply for entry to

- Bachelor of Arts (Honours) in Social Care Work

Suitably qualified graduates of the BA (Honours) in Social Care Work may apply for a range of postgraduate courses such as Occupational Therapy, Community Development, and Social Care Work.

Question Time

What is the difference between a Social Care Worker and a Social Worker?

A Social Care Worker will typically work in a direct person-to-person capacity with clients. He or she will seek to provide a caring, stable environment in which various social, educational and relationship interventions can take place in the day-to-day living space of the client.

The Social Worker's role is to manage the 'case', e.g. arranging the residential child care placement in which a child is placed; coordinating case review meetings; negotiating the termination of a placement; and responding to child protection concerns in a given area. (Social Care Ireland 2011)

Am I fully qualified to work as a Social Care Worker after successfully completing the three years study in MT 573?

The regulatory landscape for the profession is changing. We recommend that you keep informed of the work of the Social Care Workers Registration Board (CORU). CORU's work includes the approval of education courses. At the time of preparing this prospectus, MTU is preparing its programme in consideration of CORU's programme approval process.

Can I convert to a Social Worker after completing the Social Care Work qualification, i.e. BA in Social Care Work MT 573?

To become a social worker, you will need to complete a Master of Social Work (MSW) Level 9).

How much work placement do I have?

Year 1: 6 week placement (180 hours)
Year 2: 12 week placement (280 hours)
Year 3: 12 week placement (360 hours)

Contact Information

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Entry 2022	SCORE THE NECESSARY CAO POINTS AND MEET MINIMUM LEAVING CERTIFICATE REQUIREMENTS 5 SUBJECTS			
	SUBJECTS 06/H7	SUBJECTS H5	MATHS GRADE	ENGLISH OR IRISH GRADE
	5	0	06/H7	06/H7

NOTE: Vetting by an Garda Síochána is a mandatory requirement for this programme.



Career Opportunities

It is anticipated that the Social Care Workers Registration Board will open in 2022, at the earliest. In the case of MTU securing approval, graduates from the programme could apply for registration.

Graduates are employed in a wide variety of care settings and employments such as residential care centres, community projects, youth centres, family casework, probation and welfare agencies, hostels for adolescents/young adults, etc.

- Social care services for adults & children with additional needs-residential/community care
- Homeless services
- Community care teams in elder care
- Integrated care teams in mental health care
- Family support services
- Disability (intellectual and physical) support services
- Addiction services
- Residential care centres
- Community projects
- Family casework
- Probation and welfare agencies
- Hostels for adolescents
- Travellers centres
- Centres for the elderly
- Centres for Asylum seekers
- Youth centres



First Year at a Glance (indicative)

- Practice preparation
- Work placement
- Academic, interpersonal skills development
- Creativity, innovation and teamwork
- Psychology for social care work
- Sociology for social care work



Engineering

CAO Code	NFQ Level	Course	Page
MT 848	8	Bachelor of Science (Honours) in Agricultural Engineering	76
MT 748	7	Bachelor of Engineering in Agricultural Engineering	77
MT 859	8	Bachelor of Science (Honours) in Architectural Technology	78
MT 759	7	Bachelor of Science in Architectural Technology	79
CK 606	8	Bachelor of Science (Honours) in Architecture	80
MT 847	8	Bachelor of Science (Honours) in Automotive Business Management and Technology	81
MT 747	7	Bachelor of Science in Automotive Technology and Management	82
MT 839	8	Bachelor of Engineering (Honours) in Biomedical Engineering	83
MT 739	7	Bachelor of Engineering in Biomedical Engineering	84
MT 838	8	Bachelor of Engineering (Honours) in Chemical and Biopharmaceutical Engineering	85
MT 832	8	Bachelor of Science (Honours) in Civil Engineering	86
MT 732	7	Bachelor of Engineering in Civil Engineering	87
MT 731	7	Bachelor of Engineering in Civil Engineering	88
MT 758	7	Construction (Common Entry) (BSc Award Options)	89

CAO Code	NFQ Level	Course	Page
MT 856	8	Bachelor of Science (Honours) in Construction Management	90
MT 845	8	Bachelor of Engineering (Honours) in Electrical Engineering	91
MT 745	7	Bachelor of Engineering in Electrical Engineering	92
MT 846	8	Bachelor of Engineering (Honours) in Electronic Engineering	93
MT 746	7	Bachelor of Engineering in Electronic Engineering	94
MT 830	8	Engineering (Honours) (Common Entry) (BEng (Honours) Award Options)	95
MT 761	7	Bachelor of Engineering in Environmental Engineering	96
MT 860	8	Bachelor of Science (Honours) in Interior Architecture	97
MT 760	7	Bachelor of Science in Interior Architecture	98
MT 835	8	Bachelor of Science (Honours) in Manufacturing Engineering	99
MT 735	7	Bachelor of Engineering in Mechanical and Automation Engineering	100
MT 834	8	Bachelor of Engineering (Honours) in Mechanical and Manufacturing Engineering*	101
MT 836	8	Bachelor of Engineering (Honours) in Mechanical Engineering	102
MT 736	7	Bachelor of Engineering in Mechanical Engineering	103
MT 857	8	Bachelor of Science (Honours) in Quantity Surveying	104
MT 831	8	Bachelor of Engineering (Honours) in Structural Engineering	105
MT 837	8	Bachelor of Engineering (Honours) in Sustainable Energy Engineering	106

* This course is under development and subject to academic council approval.

Symbol Key:



Work Placement



Progression to the next NFQ level



Garda Vetting



Medical Required



Exit Award

Agricultural Engineering (Honours)

Innealtóireacht Talmhaíochta (Onóracha)

Application: CAO

CAO Code: MT 848

NFQ Level: 8

Award Title: Bachelor of Science (Honours) in Agricultural Engineering

Duration: 4 Years (8 Semesters)

Places: 16

Location: MTU Kerry South Campus



Entry 2022

SCORE THE NECESSARY CAO POINTS AND MEET
MINIMUM LEAVING CERTIFICATE REQUIREMENTS
6 SUBJECTS

SUBJECTS 06/H7	SUBJECTS H5	MATHS GRADE	ENGLISH OR IRISH GRADE
4	2	06/H7	06/H7

Overview

Agricultural engineering is a specialised branch of engineering, concerned with the design, manufacture, modification and maintenance of equipment used in agriculture. As a student of MTU's highly regarded agricultural engineering programmes, you will work in state-of-the-art facilities and graduate with a degree that enjoys an excellent reputation in the industry.

In year 3, students participate in a structured period of work experience in a relevant professional setting. It is while on placement that students really see the value of their academic learning in a real-life, working environment. Your placement lays the foundations of your personal career path. It's all about developing skills, gaining knowledge and cultivating the attitude needed to engineer a thriving career. This programme gives you an excellent knowledge of agricultural engineering and in year four you gain vital expertise in management, marketing and finance.

Our world-class facilities include agricultural engineering workshops, machinery halls, science laboratories, computer and electronics laboratories, a mechanical engineering laboratory, a machine and welding shop and a power-units garage.

In first year, students cover core modules including engineering mathematics and engineering science, together with specialised topics like agri-tractor technology. As the course progresses, you will deepen your knowledge in core areas and study additional modules in areas such as control engineering and robotics and machine design.

Our graduates make meaningful contributions to the productivity, efficiency and competitiveness of agricultural services and manufacturing companies. They develop new products and adapt existing technologies to drive productivity and progress in the agricultural sector, both here and abroad.

Further Studies

Suitably qualified Level 8 Honours graduates are eligible to progress to taught master programmes or to research at either master or PhD level.

Accreditation

Our awards are accredited by both the Institution of Agricultural Engineers (UK) and by Engineers Ireland.

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Career Opportunities

Agricultural engineers take up a wide variety of employment opportunities in the agricultural engineering industry, for example

- Organisation of the manufacturing process
- Health and safety management
- Maintenance management
- Marketing and strategic planning
- Process design
- Product design & development
- Operations management
- Quality management
- Specification of rural structures
- Use of geographical information systems pertaining to agriculture



First Year at a Glance

- **Engineering Drawing and CAD:** introduces the necessary draughting skills which are required by technicians and engineers in an engineering or design environment
- **Grassland Management:** learn about grassland management to meet production requirements in current agricultural practices
- **Agri Tractor Technology:** learn about reciprocating piston engines, basic transmission systems, basic braking systems, and basic hydraulic systems
- **Crop Science:** the fundamentals of agronomy including crop morphology, identification of species, and crop physiological requirements
- **Farm Safety and Engineering Communication:** focuses on developing greater awareness and knowledge of agricultural health and safety
- **Crop Production:** provides knowledge of complete growth cycles for the major agricultural crop groups
- **Soil Science:** introduces the biological, chemical and physical properties of soil
- **Farm Machinery:** learn about modern farm machinery
- **Engineering Mathematics:** essential numerical, algebraic and graphical skills for studying engineering



Agricultural Engineering

Innealtóireacht Talmhaíochta

Application: CAO

CAO Code: MT 748

NFQ Level: 7

Award Title: Bachelor of Engineering in Agricultural Engineering

Duration: 3 Years (6 Semesters)

Places: 32

Location: MTU Kerry South Campus



Overview

Agricultural engineering is a specialised branch of engineering, concerned with the design, manufacture, modification and maintenance of equipment used in agriculture. As a student of MTU's highly regarded Agricultural Engineering programmes, you will work in state-of-the-art facilities and graduate with a degree that enjoys an excellent reputation in the industry.

In year 3, students participate in a structured period of work experience in a relevant professional setting. It is while on placement that students really see the value of their academic learning in a real-life, working environment. Your placement lays the foundations of your personal career path. It's all about developing skills, gaining knowledge and cultivating the attitude needed to engineer a thriving career. This programme gives you an excellent knowledge of agricultural engineering and in year four you gain vital expertise in management, marketing and finance.

Our world-class facilities include agricultural engineering workshops, machinery halls, science laboratories, computer and electronics laboratories, a mechanical engineering laboratory, a machine and welding shop and a power-units garage.

In first year, students cover core modules including engineering mathematics and engineering science, together with specialised topics like agri-tractor technology. As the course progresses, you will deepen your knowledge in core areas and study additional modules in areas such as control engineering and robotics and machine design.

Our graduates make meaningful contributions to the productivity, efficiency and competitiveness of agricultural services and manufacturing companies. They develop new products and adapt existing technologies to drive productivity and progress in the agricultural sector, both here and abroad.

Further Studies

Suitably qualified Level 7 graduates are eligible to progress to year 4 (final year)

- Bachelor of Science (Honours) in Agricultural Engineering

Accreditation

Our awards are accredited by both the Institution of Agricultural Engineers (UK) and by Engineers Ireland.

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Entry 2022

SCORE THE NECESSARY CAO POINTS AND MEET
MINIMUM LEAVING CERTIFICATE REQUIREMENTS
5 SUBJECTS

SUBJECTS 06/H7	SUBJECTS H5	MATHS GRADE	ENGLISH OR IRISH GRADE
5	0	06/H7	06/H7



Career Opportunities

Agricultural engineers take up a wide variety of employment opportunities in the agricultural engineering industry, for example

- Organisation of the manufacturing process
- Health and safety management
- Maintenance management
- Marketing and strategic planning
- Process design
- Product design & development
- Operations management
- Quality management
- Specification of rural structures
- Use of geographical information systems pertaining to agriculture



First Year at a Glance

- Engineering Drawing and CAD: introduces the necessary draughting skills which are required by technicians and engineers in an engineering or design environment
- Grassland Management: learn about grassland management to meet production requirements in current agricultural practices
- Agri Tractor Technology: learn about reciprocating piston engines, basic transmission systems, basic braking systems, and basic hydraulic systems
- Crop Science: the fundamentals of agronomy including crop morphology, identification of species, and crop physiological requirements
- Farm Safety and Engineering Communication: focuses on developing greater awareness and knowledge of agricultural health and safety
- Crop Production: provides knowledge of complete growth cycles for the major agricultural crop groups
- Soil Science: introduces the biological, chemical and physical properties of soil
- Farm Machinery: learn about modern farm machinery
- Engineering Mathematics: essential numerical, algebraic and graphical skills for studying engineering



www.mtu.ie/MT748

Architectural Technology (Honours)

Teicneolaíocht Ailtreachta (Onóracha)

Application: CAO

CAO Code: MT 859

NFQ Level: 8

Award Title: Bachelor of Science (Honours) in Architectural Technology

Duration: 4 Years (8 Semesters)

Places: 36 - 40 (between MT 859 and MT 759)

Location: MTU Bishopstown Campus, Cork



Entry 2022

SCORE THE NECESSARY CAO POINTS AND MEET
MINIMUM LEAVING CERTIFICATE REQUIREMENTS
6 SUBJECTS

SUBJECTS 06/H7	SUBJECTS H5	MATHS GRADE	ENGLISH OR IRISH GRADE
4	2	06/H7	06/H7

Overview

The architectural technologist is involved with the technical issues of the architectural design process and plays the role of a technical designer. They are a team player who provides an expertise in technical design principles and knowledge in the development of the built environment. They are an organiser and coordinator of the diverse disciplines involved in the design and construction process.

This is a studio-led course where students develop general drawings and details and other construction related projects, with a range of lectures and site visits designed to contribute to the student's comprehension and to the development of project work.

Formal work placement (minimum of five weeks) is an integral element of the course and takes place in year 3. The placement programme will familiarise the student with work practices and procedures and provides the opportunity to observe the practical application of theoretical knowledge gained on their programme. The placement is supported by a member of academic staff in MTU together with a workplace mentor. The aim of the industry placement is to introduce the student to structured employment in a relevant work sector and to develop the student's understanding of the organisation, its procedures and technology.

Students in year 4 of the programme have the opportunity to pursue specific areas of research critical to the built environment and architectural practice. Students identify individual areas of interest in the architectural process and conduct intensive research leading to expertise. These emerging specialisms are sought by architectural practices and allied disciplines in architecture and construction and provide graduates with competitive skills.

Question Time

Is the course accredited?

Yes. This course is accredited by the Royal Institute of the Architects of Ireland.

How much of my time is devoted to studio and project work?

Approximately 50% of time is devoted to studio and project work.

How helpful is it to have Design and Communication Graphics at Leaving Certificate level?

Design and Communication Graphics would provide a solid foundation for this programme. However, it is not an entry requirement.

What is the difference between architectural technology and architecture?

Architectural technology can be described as the technical design of the building while architecture focuses on the creative aspects of spatial and aesthetic design in the total building.

Contact Information

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Career Opportunities

A graduate of architectural technology is a critical member of the design team, as s/he has an excellent appreciation and knowledge of the other design team discipline roles, and is involved in the coordination and development of a project at all stages.

Graduates may specialise in certain building typologies or concentrate on a particular area such as technical design, technology, architectural conservation or project management. Graduates may work as part of a team in private practice, or in the architectural section of a commercial organisation or a government department or local authority.



First Year at a Glance

The core of the learning experience takes place in the studio through technical design projects and the application and integration of knowledge and skills explored in lecture modules. The focus of the year 1 studio is the exploration of simple structures in timber, steel, concrete and masonry and construction detailing.

Modules include Construction Technology Materials and Structure (timber, steel, concrete, and masonry), Environmental Science (climate change, materials, services, heat), while skills developed include teamwork, problem solving, communication, drawing, and computer graphics.



Architectural Technology

Teicneolaíocht Ailtreachta

Application: CAO

CAO Code: MT 759

NFQ Level: 7

Award Title: Bachelor of Science in Architectural Technology

Duration: 3 Years (6 Semesters)

Places: 36 - 40 (between MT 759 and MT 859)

Location: MTU Bishopstown Campus, Cork



Overview

The architectural technologist is involved with the technical issues of the architectural design process and plays the role of a technical designer. They are a team player who provides an expertise in technical design principles and knowledge in the development of the built environment. They are an organiser and coordinator of the diverse disciplines involved in the design and construction process.

Formal work placement (minimum of five weeks) is an integral element of the course and takes place in year 3. The placement programme will familiarise the student with work practices and procedures and provide him/her with the opportunity to observe the practical application of theoretical knowledge gained on his/her programme. The placement is supported by a member of academic staff in MTU together with a workplace mentor. The aim of the industry placement is to introduce the student to structured employment in a relevant work sector and to develop the student's understanding of the organisation, its procedures and technology.

Over the duration of the course, the student develops skills related specifically to architectural technology as well as an appreciation of the role and requirements of other members of the building team. A graduate of architectural technology is a critical member of the design team, as s/he has an excellent appreciation and knowledge of the other design team discipline roles, and is involved in the coordination and development of a project at all stages.

Further Studies

Subject to availability of places, suitably qualified graduates are eligible to apply for entry to year 4 (final year) of

- Bachelor of Science (Honours) in Architectural Technology

Question Time

Is the course accredited?

Yes. This course is accredited by the Royal Institute of the Architects of Ireland.

How much of my time is devoted to studio and project work?

Approximately 50% of time is devoted to studio and project work.

How helpful is it to have Design and Communication Graphics at Leaving Certificate level?

Design and Communication Graphics would provide a solid foundation for this programme. However, it is not an entry requirement.

What is the difference between architectural technology and architecture?

Architectural Technology can be described as the technical design of the building while architecture focuses on the creative aspects of spatial and aesthetic design in the total building.

Contact Information

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Entry 2022

SCORE THE NECESSARY CAO POINTS AND MEET
MINIMUM LEAVING CERTIFICATE REQUIREMENTS
5 SUBJECTS

SUBJECTS 06/H7	SUBJECTS H5	MATHS GRADE	ENGLISH OR IRISH GRADE
5	0	06/H7	06/H7



Career Opportunities

Graduates may specialise in certain building typologies or concentrate on a particular area such as technical design, technology, architectural conservation or project management.

Graduates may work as part of a team in private practice, in the architectural section of a commercial organisation, in a government department or local authority, or in a related construction activity.



First Year at a Glance

The core of the learning experience takes place in the studio through technical design projects and the application and integration of knowledge and skills explored in lecture modules.

The focus of the year 1 studio is the exploration of simple structures in timber, steel, concrete and masonry and construction detailing. Modules include Construction Technology Materials and Structure (timber, steel, concrete, and masonry), Environmental Science (climate change, materials, services, heat), while skills developed include teamwork, problem solving, communication, drawing, and computer graphics.



Architecture (Honours)

Ailtireacht (Onóracha)

Application: CAO

CAO Code: CK 606

NFQ Level: 8

Award Title: Bachelor of Science (Honours) in Architecture

Duration: 4 Years (8 Semesters)

Places: 45

Location: Cork Centre for Architectural Education, Douglas Street, Cork

Entry 2022

SCORE THE NECESSARY CAO POINTS AND MEET
MINIMUM LEAVING CERTIFICATE REQUIREMENTS
6 SUBJECTS

SUBJECTS 06/H7	SUBJECTS H5	MATHS GRADE	ENGLISH AND IRISH* GRADE
4	2	06/H7	06/H7

NOTE: *Irish is a requirement for this programme unless the applicant is exempt from Irish.



Overview

The BSc (Honours) in Architecture is offered jointly by MTU and UCC. This is a studio and project-led course integrating the three pillars of architectural education; design, technology and the humanities. The first year of study provides a foundation in design and the built environment, appropriate to both the discipline of architecture and associated design courses. In addition to learning drawing skills, students will be expected to become proficient in photography, model-making and digital representation of architecture.

The following years of study will become progressively more architecturally focused whilst still allowing and encouraging experimentation and research into associated disciplines. Transferrable skills in communication, team working, computer aided design, and management are also developed.

Field trips: Students will be expected to participate in class field trips, visiting project sites, and also study trips to Irish and other European cities. There will be a cost of approximately €300 in year 1 for a materials pack. You should also allow €300 for modelmaking costs, and €400 per annum for field trips plus spending money.

The CCAE has Erasmus links with colleges in Estonia, Austria and Italy.

This exciting and innovative honours degree programme has been designed in response to the guidelines of the UNESCO/UIA Charter for Architectural Education, the European Qualifications Directive (2005/36/EC) relating to the architectural profession, and the Royal Institute of Architects of Ireland (RIAI) Education Policy.

Accreditation

To gain accreditation by the RIAI and register as a professional architect, graduates of this programme must also hold a Master of Architecture along with a Postgraduate Certificate in Architectural Professional Practice and carry out two years' work experience in an architect's office. Registration provides for legal protection of the title of "Architect", as required by the Irish Building Control Act 2007.

Further Studies

Suitably qualified graduates will be eligible to enter the Master of Architecture programme.

Question Time

Must I submit a portfolio?

No

How is my time split between MTU Bishopstown Campus and UCC?

This is a joint programme between MTU and UCC and is housed in the Cork Centre for Architectural Education, Douglas Street, Cork. This building houses state-of-the-art technology, including IT, workshop space, and 3D laser cutting machines.

How much of my time is devoted to studio and project work?

50% is devoted to studio and project work.

What kind of skills do I need?

The architectural programme requires a broad set of skills. You need to be a creative, innovative, logical, critical thinker... think outside the box! An artistic ability will be important although the design studio work will help develop this. A good grasp of maths, English and a science-based subject would also be useful.

Contact Information

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UCC: Gerry McCarthy
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Career Opportunities

Graduates may specialise in certain types of buildings, or concentrate on a particular area such as architectural design, urban design, technology, architectural conservation, and computer-based modelling. Graduates may work as part of a team in private practice, or in the architectural section of a commercial organisation or a government department or local authority.



First Year at a Glance

- **Design Studio:** basic design projects and sketchbooks involving individual and group work; basic graphic techniques; sketching and painting; pencil drawing to scale; freehand drawing; model-making; and photography
- **Construction, Materials and Structures:** introduction to the basic principles which are pertinent to the issues of building construction and materials, structural design and analysis for architecture
- **Applied Technology Studio:** preparation of technical drawings and models; design of components for simple building types; options for construction and detailing of simple building types; modelling and testing the behaviour of simple structural members subjected to forces
- **History and Theory of Architecture:** examines the spatial, formal and structural components of key buildings from Ancient Greece through the Roman, early Christian, Byzantine, Romanesque and Gothic periods to the Renaissance, Baroque to Post-Modern, reflecting on how these responded to the cultures and societies in which they were produced



Automotive Business Management and Technology (Honours)

Bainistíocht agus Teicneolaíocht Ghnó
Uathghluaisnigh (Onóracha)

Application: CAO

CAO Code: MT 847

NFQ Level: 8

Award Title: Bachelor of Science (Honours) in Automotive Business Management and Technology

Duration: 4 Years (8 Semesters)

Places: 40

Location: MTU Bishopstown Campus, Cork

Entry 2022

SCORE THE NECESSARY CAO POINTS AND MEET
MINIMUM LEAVING CERTIFICATE REQUIREMENTS
6 SUBJECTS

SUBJECTS 06/H7	SUBJECTS H5	MATHS GRADE	ENGLISH OR IRISH GRADE
4	2	06/H7	06/H7



Overview

Automotive Business Management and Technology is an exciting honours degree programme being offered by MTU to provide students with the knowledge and skills necessary to meet the needs of the ever changing automotive sector.

This course has been developed in conjunction with the automotive industry to meet the specific requirements of the industry and therefore provide graduates with significant advantages when seeking employment in the automotive sector. Particular emphasis is placed on course content that prepares students with the required blend of business and technical aspects to enable them achieve successful and rewarding careers within the automotive industry. The mixture of management, financial, legal and strategic analysis modules in particular will provide graduates with opportunities for rapid career advancement. The programme is delivered through a combination of theory and practical oriented modules.

A unique aspect of the programme being the integration of dealer management software use within core modules which will ensure that graduates possess the most up to date and advanced skills required by key management personnel within the automotive sector.

Work placement incorporated in year 3 provides the opportunity to apply learned knowledge and skills, while gaining valuable industry experience and unearthing potential employment opportunities for graduates. The final year project facilitates close working relationships between students and their preferred area within the automotive industry. Work placement can be undertaken in any suitable organisation where it is deemed that students will be able to achieve the learning outcomes for the module. This includes placements abroad.

Contact Information

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Further Studies

Graduates who achieve the specified level of academic performance are eligible to apply for a postgraduate course of study, both at MTU and at other third level colleges in Ireland and abroad.

Question Time

Is there a bursary available for this course?

Yes, the MTU-CDK Global bursary for the academic year 2022/2023 is €3,000 (towards your first year of study). The support of CDK Global for the bursary is a major endorsement of the relevance of the course to the Automotive Business Management and Technology industry.

How much Information Technology (IT) is involved in the programme?

To reflect the relevance within the automotive industry, IT forms a very important part of the programme and is integrated into modules throughout, culminating in year 4 with the use of dealer management software for strategic analysis, decision making and planning. Topics are: Microsoft Office – Word, Excel, PowerPoint; CDK Global Dealer Management System; Autodata; CDX Learning Systems.

What level of business is involved in the programme?

Business modules include Automotive Industry and Dealership Administration; Management and Entrepreneurship; Financial Accounting and Management Accounting basics; and Consumer and HR Law.

Will I learn about Marketing?

Yes, a number of modules provide the basis for a good understanding of Marketing and Sales. Such modules include Management & Marketing, Automotive Sales Processes, and Automotive Marketing Practices.

Is it possible to open your own business with this qualification?

Yes, graduates will have gained knowledge of the important criteria for business establishment and those with the necessary 'self-start' characteristics will be able to use this during business start-up.



Career Opportunities

A wide range of career opportunities exist at all levels of the automotive industry ranging from motor dealerships to vehicle distributors, fleet operators, consultancy, business finance and sales positions.

- Sales, service and parts department management roles within motor dealerships
- Administration, management, marketing roles within motor vehicle distributors
- Vehicle parts supplier marketing and management roles
- Vehicle fleet operator management positions
- Consultancy and training roles within DMS providers to the automotive industry



First Year at a Glance

- Automotive Administration: theory and practice providing an overview of auto industry structure and operations, including basic dealer management software functions
- Marketing and Management: introduction to the basic concepts of management and marketing and their application in automotive businesses
- Engine Technology: theory based instruction on engine construction and operating principles
- Automobile Electrical Systems: theory and practical application of automobile electrical and electronic systems
- Vehicle Dynamics: theory based instruction on vehicle running gear and transmission systems
- Garage Practice: practical experience of motor vehicle engine, transmission and running gear systems
- Automotive Science: introduction to scientific principles relating to automobile design, operation and performance



www.mtu.ie/MT847

Automotive Technology and Management

Teicneolaíocht agus Bainistíocht Uathghluaisneach

Application: CAO

CAO Code: MT 747

NFQ Level: 7

Award Title: Bachelor of Science in Automotive Technology and Management

Duration: 3 Years (6 Semesters)

Places: 40

Location: MTU Bishopstown Campus, Cork

Entry 2022

SCORE THE NECESSARY CAO POINTS AND MEET
MINIMUM LEAVING CERTIFICATE REQUIREMENTS
5 SUBJECTS

SUBJECTS 06/H7	SUBJECTS H5	MATHS GRADE	ENGLISH OR IRISH GRADE
5	0	06/H7	06/H7



Overview

Motor vehicle technology and the motor industry in general have undergone dramatic changes in recent times. Technological advances have made vehicles more efficient, more environmentally friendly, and safer, whilst at the same time strict standards are being enforced by manufacturers, distributors and retailers.

The motor and transport industries require highly qualified people at supervisory and management level. This course is designed to take account of these advances and it prepares graduates for employment within such a dynamic industry.

The course has a unique combination of theoretical and applied areas of study in conjunction with relevant business subjects. This course aims to provide the graduate with the practical, analytical, managerial, and interpersonal skills necessary for a successful career within the automotive industry.

The course is taught through a combination of lectures, practical work and assignments related to practical aspects, e.g. motor vehicle technology, garage practice, automobile electronics, advanced diagnostics, CAD/vehicle design, etc.

Graduates will have a comprehensive understanding of the wider business and economic context which the automotive sector operates within, and an appreciation of the importance of high ethical standards within the automotive sector.

Further Studies

Degree holders who achieve the specified level of academic performance may progress to the one year add on

- Bachelor of Science (Honours) in Transport Management

Question Time

Is there work placement during the course?

Work placement is incorporated for those who progress to the one year add on Bachelor of Science (Honours) in Transport Management programme.

Can I obtain a Higher Certificate after two years?

Yes, students who successfully complete year 2 and do not wish to progress to year 3 will receive a Higher Certificate in Engineering in Automotive Technology and Management

Can I become a motor mechanic from the course?

No, to become a motor mechanic requires registration with Solas and completing an apprenticeship.

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Career Opportunities

This degree provides varied and rewarding career opportunities in many types of enterprise throughout the industry ranging from motor dealerships to vehicle manufacturing and transport companies. Employment opportunities include supervisory, management and technical positions within sales and after-sales sectors of the motor, transport, and fleet industries. The degree lends itself towards a career within vehicle distributors/manufacturers along with vehicle assessing. Business start-up opportunities are also possible.

- Motor dealerships: sales and after-sales departments
- Transport and logistics companies
- Motor vehicle distributor organisations
- Motor vehicle assessors



First Year at a Glance

- Engine Technology: classroom based instruction on engine construction and operating principles
- Automotive Science: scientific principles relating to automobile design and operation
- Automobile Electrical Systems: the electrical and electronic systems which are used to provide comfort, safety & efficiency in modern vehicles
- Garage Practice: practical knowledge and workshop experience of modern motor vehicles
- Automotive Administration: management of the service system using computer systems for e.g. parts ordering and tracking, monitoring, billing for the service operation
- Vehicle Dynamics: classroom based instruction on vehicle transmission and running gear construction and operating principles
- Automotive Mathematics: fundamental Mathematical calculations and problem solving for automotive applications



Biomedical Engineering (Honours)

Innealtóireacht Bhithleighis (Onóracha)

Application: CAO

CAO Code: MT 839

NFQ Level: 8

Award Title: Bachelor of Engineering (Honours) in Biomedical Engineering

Duration: 4 Years (8 Semesters)

Places: 20

Location: MTU Bishopstown Campus, Cork



Entry 2022

SCORE THE NECESSARY CAO POINTS AND MEET
MINIMUM LEAVING CERTIFICATE REQUIREMENTS
6 SUBJECTS

SUBJECTS 06/H7	SUBJECTS H5	MATHS GRADE	ENGLISH OR IRISH GRADE
4	2	H4 OR (NOTE 1)	06/H7

NOTE 1: The requirement for H4 Maths may be satisfied by H4 in Applied Maths plus H6 in Mathematics.

NB: Please note the H4 grade in Maths may also be used to satisfy one of the H5 entry requirements.

Overview

Biomedical engineering combines engineering with an appreciation of the functioning of the human body, whether healthy, injured or diseased. The medical device sector in Ireland is very strong; there are 300+ medical technology companies in Ireland, exporting €12.6b worth of product annually and employing 32,000 people, contributing 8% of Ireland's total merchandise exports. Products include prosthetic devices to improve quality of life, disposable plastic and wound care products, and precision implants including pacemakers, microelectronic devices, orthopaedic implants, diagnostics, contact lenses and stents. In the clinical context, biomedical engineers play a key role in designing, sourcing and maintaining equipment, facilities and services within hospitals.

The course covers topics from the design and development of artificial joints, to equipment for medical diagnosis and treatment, to the implanting of biomaterials or biomedical devices in the human body. Biomedical engineers are therefore required at all stages from product design, product manufacture, technical support and interfacing with medical users in clinical environments. Biomedical engineering uses engineering principles to understand and control biological systems and requires a working knowledge of physiology, anatomy, and biological science.

This course integrates the study of biological systems, biomedical devices and clinical engineering with traditional mechanical, electrical and manufacturing engineering. Projects are carried out in conjunction with industry, with medical practitioners, and with the Biomedical Engineering unit of Cork University Hospital.

Students have the opportunity to get work placement or internship in industry in Ireland or abroad or in a research laboratory in Ireland or with one of our partner institutions abroad (France, Germany, Italy, UK, etc.).

Accreditation

The BEng (Hons) in Biomedical Engineering is fully accredited by Engineers Ireland at the Bachelor (Honours) Level 8 educational standard. Further learning is required to meet the educational standard for Chartered Engineer.

Further Studies

At the end of year 3, subject to a minimum of a H2.2 standard achieved in year 3, students may elect to transfer to the integrated MEng in Biomedical Engineering (level 9) programme comprising 2 further years (4 semesters) of study. Suitably qualified Level 8 Honours graduates are eligible to progress to taught masters programmes or to research at either masters or PhD level.

Question Time

What is the difference between Biomedical science and Biomedical engineering?

Biomedical engineering combines engineering principles with an appreciation of the functioning of the human body to design and manufacture products or provide technical support. Biomedical engineers work in hospitals, in manufacturing facilities, and in the R&D domain.

Biomedical scientists investigate samples of tissue and body fluids in order to diagnose disease and monitor the treatment of patients, therefore, it is largely laboratory based.

Is there a scholarship available for the course?

Yes. The MTU-DePuy Synthes Biomedical Engineering scholarship is worth €3,000 per year for the successful candidate. DePuy Synthes (a Johnson & Johnson company) is a major multinational employer in the Cork region, manufacturing artificial joints in Ringaskiddy in Cork. The support of DePuy Synthes for the scholarship is a major endorsement of the relevance of the course to the biomedical engineering industry.

Contact Information

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Career Opportunities

Graduates can look forward to careers in the medical device industry, in the design and manufacture of medical devices, in research roles within industry or in academic research. Graduates can also enter the hospital or clinical environment to work as clinical engineers.

- Biomedical device design and manufacture
- Research & development
- Engineering support within clinical environments
- Regulated industries e.g. bio pharma/food/electronics



First Year at a Glance

- Engineering Physics: application of physics to engineering problems
- Properties of Materials: appropriate choice of materials to use for a particular engineering/device application
- Biomechanics: analysis of the joint/muscle forces on the body
- Engineering Chemistry: application of chemistry to engineering problems
- Thermo/Fluid Mechanics: application of hot and cold fluid systems in engineering
- CAD: computer-aided design similar to the Leaving Certificate subject Design and Communication Graphics
- Practical Manufacturing of Metal Components
- Anatomy
- Mathematics
- Biology



Biomedical Engineering

Innealtóireacht Bhithleighis

Application: CAO

CAO Code: MT 739

NFQ Level: 7

Award Title: Bachelor of Engineering in Biomedical Engineering

Duration: 3 Years (6 Semesters)

Places: 40

Location: MTU Bishopstown Campus, Cork



Entry 2022

SCORE THE NECESSARY CAO POINTS AND MEET
MINIMUM LEAVING CERTIFICATE REQUIREMENTS
5 SUBJECTS

SUBJECTS 06/H7	SUBJECTS H5	MATHS GRADE	ENGLISH OR IRISH GRADE
5	0	06/H7	06/H7

Overview

Biomedical engineering combines engineering with an appreciation of the functioning of the human body, whether healthy, injured or diseased. The medical device sector in Ireland is very strong; there are 300+ medical technology companies in Ireland, exporting €12.6b worth of product annually and employing 32,000 people, contributing 8% of Ireland's total merchandise exports. Products include prosthetic devices to improve quality of life, disposable plastic and wound care products, and precision implants including pacemakers, microelectronic devices, orthopaedic implants, diagnostics, contact lenses and stents. In the clinical context, biomedical engineers play a key role in designing, sourcing and maintaining equipment, facilities and services within hospitals. The course is delivered through formal lectures, tutorials, practical and project work. There are a number of dedicated biomedical engineering laboratories containing leading edge technology. These facilitate teaching and research both at undergraduate and postgraduate level and include

- Gait analysis laboratory
- Biomaterials laboratory
- Hurley helmet testing rig
- Instron dynamic testing machine
- Non-contact 3D light scanner
- Rapid prototyping machine

Projects are carried out in conjunction with industry including medical device companies, with medical practitioners and with the Biomedical Engineering Unit of Cork University Hospital.

Accreditation

This course in Biomedical Engineering is fully accredited by Engineers Ireland for Associate Engineer eligibility.

Further Studies

Subject to availability of places, suitably qualified graduates may apply to year 3 of

- Bachelor of Engineering (Honours) in Biomedical Engineering or the one year add-on
- Bachelor of Engineering (Honours) in Advanced Manufacturing Technology

Question Time

What does a biomedical engineer produce?

Medical devices, instrumentation, or processes in a clinical or manufacturing environment.

What is the difference between biomedical science and biomedical engineering?

Biomedical engineering combines engineering principles with an appreciation of the functioning of the human body, whether healthy, injured or diseased in order to design and manufacture products or provide technical support. Biomedical engineers can work in hospitals, in manufacturing plants and in research and development environment. Biomedical scientists investigate into samples of tissue and body fluids in order to diagnose disease and monitor the treatment of patients. Therefore, it is largely laboratory based.

Are there any events I should attend to learn more about Biomedical Engineering?

MTU Bishopstown Campus usually hosts the Cork Mechanical, Manufacturing & Biomedical Engineering Annual Exhibition in April, the largest exhibition of its kind in Ireland. Please see www.mtu.ie for details.

Contact Information

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Career Opportunities

Graduates will be qualified to work as biomedical engineering technologists within the healthcare, medical device industries, in research and development facilities, and also in clinical/hospital environments.

- Biomedical device design and manufacturing
- Research & development
- Engineering Support within Clinical Environments
- Regulated industries e.g. healthcare/food



First Year at a Glance

- Material Science: understanding the nature and properties of engineering materials
- Mechanics: understanding the performance of engineering materials when subject to external loads and forces
- Thermo/Fluid Mechanics: application of hot and cold fluid systems in engineering
- CAD: computer-aided design similar to the Leaving Certificate subject Design and Communication Graphics
- Instrumentation: understanding the operation and behaviour of medical equipment and devices
- Anatomy
- Mathematics
- Biology



Chemical & Biopharmaceutical Engineering (Honours)

Innealtóireacht Cheimiceach & Bithchógaisíochta (Onóracha)

Application: CAO

CAO Code: MT 838

NFQ Level: 8

Award Title: Bachelor of Engineering (Honours) in Chemical & Biopharmaceutical Engineering

Duration: 4 Years (8 Semesters)

Places: 30

Location: MTU Bishopstown Campus, Cork



Entry 2022

SCORE THE NECESSARY CAO POINTS AND MEET
MINIMUM LEAVING CERTIFICATE REQUIREMENTS
6 SUBJECTS

SUBJECTS 06/H7	SUBJECTS H5	MATHS GRADE	ENGLISH OR IRISH GRADE
4	2	H4 OR (NOTE 1)	06/H7

NOTE 1: The requirement for H4 Maths may be satisfied by H4 in Applied Maths plus H6 in Maths.

NB: Please note the H4 grade in Maths can also be used to satisfy one of the H5 entry requirements.

Overview

Chemical engineering is ideally suited to students with ability in mathematics and science, who enjoy problem solving and aspire to well-paid, satisfying jobs at home and abroad. Chemical engineering is all about change; creating life enhancing products and services by applying scientific and mathematical understanding to design, control and improve processes that change raw materials into useful products. Chemical engineers are world leaders in producing medicines, clean energy and water, and other key products in a cost effective, safe and environmentally friendly manner.

Lectures are supplemented by laboratory sessions, project work and team exercises. The course is comprehensive, addressing sectors from heavy chemicals like oil and gas to high value products like pharmaceuticals, as well as issues like energy efficiency, waste minimisation and environmental protection, all in the context of safe and sustainable operations.

Accreditation

This degree programme has IChemE accreditation at the "M-standard" issued by the Institution of Chemical Engineers. Qualifications accredited at M-Standard meet the full academic requirements for Chartered Member (MChemE) and Chartered Engineer (CEng). M-Standard recognises integrated degrees that provide both a solid academic foundation (in chemical engineering) plus advanced chemical engineering knowledge and skills. This IChemE accreditation of the Chemical and Biopharmaceutical Engineering programme to a M-Standard is equivalent to a UK MEng degree which is internationally recognised to this standard. This offers our graduates enhanced qualifications with the potential opportunities to work and compete in a global market. The programme is also accredited by Engineers Ireland, which represents all engineering disciplines in Ireland.

Further Studies

Suitably qualified graduates are eligible to apply for a postgraduate degree at MTU:

- MEng in Chemical and Biopharmaceutical Engineering (Taught)
- MEng (by Research)
- PhD

Question Time

How proficient at Mathematics should I be?

As with all engineering programmes, Mathematics is used as a tool to communicate ideas and to solve problems so you should be comfortable with Mathematics. See minimum Leaving Certificate Maths requirements above.

Can I pursue a career in pharmaceuticals?

Many graduates pursue careers in the fine chemical, pharmaceutical and biopharmaceutical industries where they are involved with plant design, commissioning, operations and optimisation.

Who will be teaching me?

The lecturers are chemical engineers and most have spent significant amounts of time working in the process industry, and as a result can bring real life experiences to the classroom.

Will I have lectures where there are hundreds of other students?

MTU prides itself on the fact that all courses are taught in a small class environment (typically 30 students per class), ensuring that students have every opportunity to interact with their lecturers and succeed in their studies.

Is there work placement?

Yes. A salaried placement is undertaken, starting at the end of year 3 and continuing into the second semester of year 4, and is spent either in industry or with a consultancy (subject to availability).

Contact Information

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Career Opportunities

Many of our graduates remain in technical support roles, others develop into managerial positions as production, engineering, human resources, and general managers. The 'typical' graduate is engaged in the region, in the greater Munster area, in the pharmaceutical and biopharmaceutical sector. Starting salary for chemical engineers is usually the highest of all engineers, reflecting the world-wide demand for their skills.

- Pharmaceuticals & Biopharmaceuticals
- Food & Beverages
- Oil & Gas
- Energy & Environment
- Building Products
- Consultancy



First Year at a Glance

- Mathematics: is the language of engineering, students will use mathematics to model, analyse, predict and control the behaviour of complex chemical and pharmaceutical systems
- Communications: students need to communicate effectively on complex engineering activities with the engineering community and with society at large
- Engineering Science: students will learn the fundamentals of physics, chemistry and biology to allow them to understand the scientific basis of chemical engineering
- Engineering Laboratory Practices: students will learn how to operate items of chemical and biopharmaceutical process equipment in a professional and safe manner, supporting theory learning
- Principles of Process Engineering: students are introduced to material and energy balances on reactive processes and unreactive processes
- Cellular Microbiology: students will learn how cells can be used to produce useful biotechnology products



Civil Engineering (Honours)

Innealtóireacht Shibhialta (Onóracha)

Application: CAO

CAO Code: MT 832

NFQ Level: 8

Award Title: Bachelor of Science (Honours) in Civil Engineering

Duration: 4 Years (8 Semesters)

Places: 16

Location: MTU Kerry South Campus



Entry 2022

SCORE THE NECESSARY CAO POINTS AND MEET
MINIMUM LEAVING CERTIFICATE REQUIREMENTS
6 SUBJECTS

SUBJECTS 06/H7	SUBJECTS H5	MATHS GRADE	ENGLISH OR IRISH GRADE
4	2	06/H7	06/H7

Overview

Civil engineering is all about the assessment, planning, design, construction, operation and maintenance of the different types of infrastructural works that society needs, from roads and rail systems to bridges, harbours, airports, energy and utility services, and water supply schemes. It is a broad discipline which also includes structural and environmental engineering. Environmental engineers apply engineering principles to improve the quality of our environment and work towards the creation of healthy water, air and land resources.

This honours degree includes both technical and management skills and we have been very careful to maintain the correct balance between theory and practical skills, to emphasise team working and professionalism and to incorporate industry standard information technology. Graduates should be creative problem solvers who can help to shape the future.

A 12-week work placement is a central feature of the programme in year three. It's while on placement that you really see the value of your academic learning in a real-life working environment. Your placement lays the foundations of your career path and significantly boosts your employability at the end of the course. Students have the option to graduate after year 3 with a level 7 qualification.

The emphasis in year 4 is to ensure that graduates are able to work effectively as a professional engineer and are ready to enter the workplace. This is achieved by providing a comprehensive simulated design office experience where students working in teams, plan, design and prepare drawings for a real-life engineering project from the concept phase to the construction.

Further Studies

Suitably qualified Level 8 graduates may apply for a wide variety of taught master programmes both in Ireland and the UK. There is a clear pathway for graduates who wish to pursue further studies and ultimately gain professional engineering qualifications such as Chartered Engineer.

Question Time

Do I need to have studied any specific subjects in my Leaving Certificate to do this course?

Other than English or Irish and Maths (see entry requirements above), there are no specific subject requirements. Modules are taught on the assumption that students have no prior knowledge of the subject.

Contact Information

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Career Opportunities

Civil engineering offers challenging and varied employment, with opportunities to travel. This course provides a broad range of marketable, practical and professional skills such as site surveying, engineering design and detailing (3D CAD), design office and site administration, laboratory testing, project management and health and safety. Civil engineering graduates are employed, both in Ireland and abroad, by contractors, subcontractors, consultants, state and semi-state bodies, local authorities and suppliers of civil engineering products and equipment.



First Year at a Glance

- **Construction Technology:** the function and composition of the various structural elements of low-rise masonry and framed structures and the practices and work sequences involved in their assembly and construction
- **Engineering Drawing and 3D CAD:** the sequential development of hard-line drawing and introduces 3D CAD visualisation software
- **Engineering Mathematics:** essential numerical, algebraic and graphical skills for studying engineering
- **Engineering Science:** introduces the learner to the basic principles of physics, particularly energy consumption and conservation, and its associated aspects in engineering
- **Engineering Mechanics:** introduces the learner to the use of applied mathematical solutions to basic engineering problems
- **Site Surveying:** introduces basic principles of land surveying and basic skills in linear surveying and levelling
- **Civil Engineering Materials:** introduces the properties of materials used in civil engineering and how these may relate to specific applications
- **2D CAD Introduction:** on completion of this module students will be able to produce, layout and print simple CAD drawings using the most recent AutoCAD software



Civil Engineering

Innealtóireacht Shibhialta

Application: CAO

CAO Code: MT 732

NFQ Level: 7

Award Title: Bachelor of Engineering in Civil Engineering

Duration: 3 Years (6 Semesters)

Places: 32

Location: MTU Kerry South Campus



Entry 2022

SCORE THE NECESSARY CAO POINTS AND MEET
MINIMUM LEAVING CERTIFICATE REQUIREMENTS
5 SUBJECTS

SUBJECTS 06/H7	SUBJECTS H5	MATHS GRADE	ENGLISH OR IRISH GRADE
5	0	06/H7	06/H7

Overview

Civil engineering is all about the assessment, planning, design, construction, operation and maintenance of the different types of infrastructural works that society needs, from roads and rail systems to bridges, harbours, airports, energy and utility services, and water supply schemes. It is a broad discipline which also includes structural and environmental engineering. Environmental engineers apply engineering principles to improve the quality of our environment and work towards the creation of healthy water, air and land resources.

In developing this course, we have been very careful to maintain the correct balance between theory and practical skills, to emphasise team working and professionalism and to incorporate industry standard information technology. Graduates should be creative problem solvers who can help to shape the future.

A 12-week work placement is a central feature of the programme in year three. It's while on placement that you really see the value of your academic learning in a real-life working environment. Your placement lays the foundations of your career path and significantly boosts your employability at the end of the course.

Further Studies

Subject to availability of places, suitably qualified level 7 graduates are eligible to apply for entry to year 4 (final year)

- Bachelor of Science (Honours) in Civil Engineering

Question Time

Do I need to have studied any specific subjects in my Leaving Certificate to do this course?

Other than English or Irish and Maths (see entry requirements above), there are no specific subject requirements. Modules are taught on the assumption that students have no prior knowledge of the subject.

Contact Information

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Career Opportunities

Civil engineering offers challenging and varied employment, with opportunities to travel. This course provides a broad range of marketable, practical and professional skills such as site surveying, engineering design and detailing (3D CAD), design office and site administration, laboratory testing, project management and health and safety. Civil engineering graduates are employed, both in Ireland and abroad, by contractors, subcontractors, consultants, state and semi-state bodies, local authorities and suppliers of civil engineering products and equipment.



First Year at a Glance

- Construction Technology: the function and composition of the various structural elements of low-rise masonry and framed structures and the practices and work sequences involved in their assembly and construction
- Engineering Drawing and 3D CAD: the sequential development of hard-line drawing and introduces 3D CAD visualisation software
- Engineering Mathematics: essential numerical, algebraic and graphical skills for studying engineering
- Engineering Science: introduces the learner to the basic principles of physics, particularly energy consumption and conservation, and its associated aspects in engineering
- Engineering Mechanics: introduces the learner to the use of applied mathematical solutions to basic engineering problems
- Site Surveying: introduces basic principles of land surveying and basic skills in linear surveying and levelling
- Civil Engineering Materials: introduces the properties of materials used in civil engineering and how these may relate to specific applications
- 2D CAD Introduction: on completion of this module students will be able to produce, layout and print simple CAD drawings using the most recent AutoCAD software



www.mtu.ie/MT732

Civil Engineering

Innealtóireacht Shibhialta

Application: CAO

CAO Code: MT 731

NFQ Level: 7

Award Title: Bachelor of Engineering in Civil Engineering

Duration: 3 Years (6 Semesters)

Places: 40

Location: MTU Bishopstown Campus, Cork

Entry 2022

SCORE THE NECESSARY CAO POINTS AND MEET
MINIMUM LEAVING CERTIFICATE REQUIREMENTS
5 SUBJECTS

SUBJECTS 06/H7	SUBJECTS H5	MATHS GRADE	ENGLISH OR IRISH GRADE
5	0	06/H7	06/H7



Overview

Civil engineering deals with one of the most visible signs of change and progress around us: the construction of new buildings, structures and infrastructure. New roads, rail-links, bridges and airports are always needed. New buildings are required for the public and private sectors and older buildings are redeveloped. Civil engineers are required to plan, design, construct and maintain these facilities.

Practical sessions are carried out to provide as much "hands on" experience as possible. There is continuous assessment of reports, drawings and projects in addition to mid and end of module examinations. The Department has active links with colleges in France, Germany, Finland, and the Czech Republic and arranges student study exchanges with these colleges.

Accreditation

This course is fully accredited by Engineers Ireland. Engineers Ireland represents all engineering disciplines in Ireland and is a member of Federation Europeene d'Associations Nationales d'Ingenieurs (FEANI) through which Irish engineers are recognised in Europe. Engineers Ireland is a signatory to the Sydney and Dublin Accords through which Irish engineers are recognised in USA, Canada, Australia, New Zealand, Hong Kong, South Africa, and UK.

Further Studies

Suitably qualified graduates are eligible for entry to

- Year 3 of the Bachelor of Engineering (Honours) in Structural Engineering

The above is the most common progression route for graduates wishing to pursue a career in Civil/Structural Engineering. However, a civil engineering qualification provides a broad range of skills and graduates successfully seek opportunities for further studies at honours bachelor degree level across a wide range of other cognate disciplines. For example, in recent years, some graduates of the programme have pursued further studies in MTU in

- Year 3 of Bachelor of Engineering (Honours) in Sustainable Energy Engineering (MT 837)
- Year 4 of Bachelor of Science (Honours) in Construction Management (MT 856)
- Year 4 of Bachelor of Science (Honours) in Building Information Modelling and Management

Question Time

Why study civil engineering?

Civil engineers identify and analyse problems, and develop and implement solutions. In addition to technical skills, civil engineers have competences in related fields of project management and health and safety. Civil engineers work as individuals and in teams. The problem solving, solution implementation and management skills of civil engineers are applicable to a broad range of work environments and are valued by a wide range of employers.

What level of drawing is required for this course?

Prerequisite drawing studies are not required. Drawing skills are addressed in the programme modules on the assumption that the students have no prior knowledge or skills in the area.

Contact Information

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Career Opportunities

Graduates are likely to work in conjunction with architects, quantity surveyors, builders, and also with personnel from other engineering disciplines. For further information in relation to the civil engineering profession please refer to the Engineers Ireland website at www.engineersireland.ie

Associate Engineer/Higher Technician Level in the following areas

- Consulting engineers
- Civil engineering contractors
- State/semi-state bodies and utility companies
- Local authorities
- Self-employed consultant



First Year at a Glance

- Mechanics: understanding the performance of engineering materials when subject to external loads and forces
- CAD: computer-aided design similar to the Leaving Certificate subject Design and Communication Graphics
- Construction: domestic scale construction addressing the detailing of traditional and passive house techniques, external works and service provision
- Health & Safety: professional obligations under the Safety, Health and Welfare at Work Act and how to apply them to the workplace
- Environmental Engineering: an understanding of the environment in an engineering context; topics include water cycle, water quality, air and noise pollution, soil contamination
- Land Surveying: developing the ability to use specialist surveying equipment to complete land surveying and building measurement tasks
- Material Science: understanding the nature and properties of engineering materials
- Mathematics
- Communication Skills



Construction (Common Entry)

Foirgníocht (Iontráil Chomónta)

Application: CAO

CAO Code: MT 758

NFQ Level: 7

Award Title: Depends on specialisation. Choose from

- Bachelor of Science in Construction Management
- Bachelor of Science in Quantity Surveying

Duration: 3 Years (6 Semesters)

Places: 40

Location: MTU Bishopstown Campus, Cork



Entry 2022

SCORE THE NECESSARY CAO POINTS AND MEET
MINIMUM LEAVING CERTIFICATE REQUIREMENTS
5 SUBJECTS

SUBJECTS 06/H7	SUBJECTS H5	MATHS GRADE	ENGLISH OR IRISH GRADE
5	0	06/H7	06/H7

Overview

The Construction Common Entry Level 7 degree programme is for students interested in both construction management and quantity surveying as a career, but who may be unsure of which discipline to follow. This common entry degree programme gives students the opportunity to see both disciplines first hand. Through the various modules on offer, and interaction with the lecturers, student can decide which discipline suits them best.

An added bonus is that on successful completion of year 2, students will be awarded a Higher Certificate in Science in Construction.

Year 3: students who successfully complete year 1 and year 2 may choose either the Bachelor of Science in Construction Management or the Bachelor of Science in Quantity Surveying.

Construction management deals with the organisation and management of a construction project. The construction manager monitors the progress and quality of the work on site, supervising and co-ordinating subcontractors and specialist suppliers. A number of different terms are used to describe the construction management role – these include project manager, contracts manager and building manager.

The construction manager has overall control of the progression of the project and is responsible for ensuring that the required personnel, materials and equipment are available in the correct sequence and at the appropriate time. They must also ensure that all health and safety regulations are met.

Quantity surveying aims to provide value for money through the efficient cost management of the construction process. The objective of quantity surveying is to control cost, limit risk and add value to a project.

The quantity surveyor chooses the most appropriate procurement method, prepares the tendering documents, advises on the selection of contractors, checks the

progress of the work on site and calculates payments due to contractors. The quantity surveyor thus ensures that the design and construction of the project delivers value for the client.

The aim of the work placement is to introduce the student to structured employment in a relevant work sector and to develop the student's understanding of the organisation, its procedures and technology.

Further Studies

Suitably qualified graduates are eligible to apply for entry to year 4 (final year)

- Bachelor of Science (Honours) in Construction Management or
- Bachelor of Science (Honours) in Quantity Surveying

Accreditation

This course qualifies for exemptions from the Chartered Institute of Building.

Question Time

What is the advantage of studying the common entry?

The student has the flexibility of the common two years of the course before having to decide on which specialist option they want to graduate in.

What level of drawing is required for this course?

Drawing is a useful skill but not essential. It helps students understand the technology that they will ultimately be managing or measuring.

Contact Information

BSc in Construction Management

Seán Murray
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BSc in Quantity Surveying

Colin Donoghue
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Career Opportunities

The principal areas of employment are as surveyors or as construction managers with contracting organisations, government departments, semi-state bodies, and private practice companies.

- Site management
- Quantity surveying/estimating
- Project planning and management
- Working with developers, designers and contracting organisations



First Year at a Glance

- Construction Technology: site visit, analysis and set up; introduction to foundations, walls, floors, insulation, radon protection; building regulations; and roofs
- Building and Environmental Science: how you light, heat and ventilate a building, i.e. principles of heat loss; conventional domestic heating systems; low carbon emitting domestic heating systems; domestic water supply and waste water
- Construction Graphics: how to communicate what is in a building by drawing and computer aided design, i.e., drawing equipment, sheet layout, lettering, lines, scales, dimensioning and representation of materials; geometrical setting out of arches; freehand drawing; location floor plans; reading and interpretation of a drawing; and AutoCAD
- Construction Materials & Structures: testing materials for a building; identify basic structural forms; recognise equilibrium in structural forms; structural use and material properties of concrete, steel, glass, timber and plastics
- Maths for Technology: maths that you would require for the build industry



Construction Management (Honours)

Bainistíocht Fairgníochta (Onóracha)

Application: CAO

CAO Code: MT 856

NFQ Level: 8

Award Title: Bachelor of Science (Honours) in Construction Management

Duration: 4 Years (8 Semesters)

Places: 20

Location: MTU Bishopstown Campus, Cork



Entry 2022

SCORE THE NECESSARY CAO POINTS AND MEET
MINIMUM LEAVING CERTIFICATE REQUIREMENTS
6 SUBJECTS

SUBJECTS 06/H7	SUBJECTS H5	MATHS GRADE	ENGLISH OR IRISH GRADE
4	2	06/H7	06/H7

Overview

Construction management is the overall planning, coordination, and control of a development from inception to completion. Construction management is aimed at meeting a client's requirements in order to produce a functionally and financially viable project in the engineering and architectural environment.

Construction management involves the planning, design, production, adaptation, maintenance, restoration, conservation, financial and engineering management, evaluation and recycling of the built environment.

The course is taught primarily through lectures, practicals, and tutorials. Significant emphasis is placed on project and experimental work with site visits and field trips making up an integral part of the coursework. The student is required to submit a project evaluation and development report, and a dissertation.

The work placement will familiarise the student with work practices and procedures and provides them with the opportunity to observe the practical application of theoretical knowledge gained on their programme. The placement is supported by a member of academic staff in MTU together with a workplace mentor. The aim of the industrial placement is to introduce the student to structured employment in a relevant work sector and to develop the student's understanding of the organisation, its procedures and technology.

Accreditation

The construction management honours degree is recognised internationally because of its accreditation by the Chartered Institute of Building (CIOB) enabling graduates to find suitable employment, either in Ireland or abroad.

Further Studies

Suitably qualified graduates are eligible to apply for a postgraduate degree at MTU

- Postgraduate Diploma in Construction Project Management
- MSc in Construction Project Management
- MSc (by Research)

Question Time

Why does a client require a construction manager?

A client requires a construction manager to plan, coordinate, supervise, and control complex and financially demanding developments. Most clients would not have the necessary experience or expertise to carry out these functions, and rely on their construction management expert to guide them through the process.

Is a construction manager site based?

Not necessarily, the construction manager may be site based or office based. The construction manager can perform a number of different roles within the Built Environment. These include working for contracting organisations, multidisciplinary project management companies, local and national governmental authorities, and consultancies.

What are the prospects for employment in construction management?

Due to the variety of potential employment areas for construction management graduates, the majority of recent graduates have successfully gained employment either at home or abroad.

Is the BSc (Honours) in Construction Management recognised abroad?

Yes, the degree is recognised internationally because of its accreditation by the Chartered Institute of Building (CIOB) enabling graduates to find suitable employment, either in Ireland or abroad.

Contact Information

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Career Opportunities

The construction manager is adaptable to many roles within the broader built environment; overall management and development of construction and infrastructure projects, building control for local and national authorities, education, design, and consultancy.

- Project and contracts management
- Project planning & control
- Facilities management
- Building surveying
- Project evaluation & development
- Design management & administration
- Education – teaching & lecturing



First Year at a Glance

- Construction Industry and Procedures: who does what in the development process i.e. types of firm (sole trader, partnerships, company); participants in the industry (clients, consultants, contractors)
- Construction Management Measurement & Procedures: how to measure what makes up a building i.e. interpret client requirements, and the responses of consultants and contractors; and outline the principles of measurement and complete measurement of basic construction works
- Construction Materials & Structures: testing materials for a building
- Organisation and Management: organising people to do things in the right place at the right time i.e. identify principles and practices of management in construction



Electrical Engineering (Honours)

Innealtóireacht Leictreach (Onóracha)

Application: CAO

CAO Code: MT 845

NFQ Level: 8

Award Title: Bachelor of Engineering (Honours) in Electrical Engineering

Duration: 4 Years (8 Semesters)

Places: 40 (between MT 845 and MT 745)

Location: MTU Bishopstown Campus, Cork



Overview

The general fields of study are renewable generation, transmission and distribution, plant automation, motor control, power systems planning, and industrial management and services. The high academic standard of the course is complemented by a strong emphasis on applications and project work. State-of-the-art lab equipment and software prepares graduates for the work environment. Class work is supplemented by field trips to major employers within the greater locality.

This course is designed to prepare graduates for work in electrical power and automation systems within industry. The course concentrates on electrical energy systems including renewable energy systems, control systems engineering, mathematics and computing. There are also subjects on advanced plant automation, electrical machines and drives, and industrial engineering and management. A final project is undertaken and its principle objective is to develop the student's ability to apply pertinent knowledge and skills to the solution of specific technical problems in the industrial environment using novel and innovative ideas, and to document and present this information.

Students undertake a relevant work placement of no less than 7 weeks between April and September of third year. The placement will provide students with structured opportunities to participate in the practical application of theoretical knowledge gained during the programme as well as develop key graduate competencies.

Further Studies

Suitably qualified graduates are eligible to apply for a postgraduate degree at MTU.

- MEng (by Research)
- PhD

Honours degree graduates may undertake relevant Master or PhD Degrees at MTU in the areas of Renewable Energy Systems, Electrical Control Systems, Embedded Generation (CHP and renewables), and Electrical System Planning.

Accreditation

The BEng (Honours) in Electrical Engineering is currently not accredited but an application for accreditation by Engineers Ireland at the Bachelor (Honours) Level 8 educational standard will be made in 2022. Further learning is required to meet the educational standard for Chartered Engineer.

Question Time

What level of Mathematics is required?

Grade 06/H7 in the Leaving Certificate exam is the minimum requirement, however, a higher grade is recommended.

Mathematics is used in all engineering disciplines and provides the tools for complex problems to be understood and solved. Prospective students should be comfortable with mathematics.

Can I become an electrician?

No. An electrician is a well-established trade which has its own development programme and its own target job market. Third level programmes are designed to equip graduates to work at design/development level and then to liaise with skilled trades for implementation.

What is the difference between electronic engineering and electrical engineering?

Electronic engineering is small scale, low voltage, component level, microchips and programming. Electrical engineering is high power, mains electricity, generation, power lines, transformers, motor/generators and automation.

What elements of renewable energy are covered in the course?

Modules dealing with all current renewable areas are dealt with on a mandatory basis because of their relevance. There is also an opportunity to explore these areas further through elective modules. The challenge of delivering large scale renewable electrical power via the distribution grid is a major topic of study.

Contact Information

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Entry 2022

SCORE THE NECESSARY CAO POINTS AND MEET
MINIMUM LEAVING CERTIFICATE REQUIREMENTS
6 SUBJECTS

SUBJECTS 06/H7	SUBJECTS H5	MATHS GRADE	ENGLISH OR IRISH GRADE
4	2	06/H7	06/H7



Career Opportunities

Graduates are highly employable and can find work in many areas, including energy generation and distribution, building and industrial electrical services, consultancy and contract management as well as automation in modern, sustainable processes.

The significant increase in the emission of greenhouse gases from energy generation and consumption, resulting in global warming is now the biggest challenge facing humanity. Electrical engineers will contribute to addressing this challenge in the coming decades with a higher percentage of energy consumed being electrical energy generated from renewable resources. Changes including widespread use of electrical transport and heating using sustainable heat pumps will require major infrastructure investment to generate, distribute and sustainably consume this renewable electrical energy. The demand and opportunities for electrical engineers is now unprecedented.



First Year at a Glance

Year 1 is a good mix of practice and theory, so on average that's about 12 hours in the class and 12 hours in the laboratory.

- Theory: how electricity is generated, transmitted and distributed and there are also classes in electronic circuits, writing programmes and CAD
- Mathematics: this is required as everything in engineering has a formula which tells you how it works
- Laboratory work: you will build, test and calculate measurements on low voltage circuits using custom take home lab kits. You will also learn how to present your work, both in writing and verbally



Electrical Engineering

Innealtóireacht Leictreach

Application: CAO

CAO Code: MT 745

NFQ Level: 7

Award Title: Bachelor of Engineering in Electrical Engineering

Duration: 3 Years (6 Semesters)

Places: 40 (between MT 745 and MT 845)

Location: MTU Bishopstown Campus, Cork



Entry 2022

SCORE THE NECESSARY CAO POINTS AND MEET
MINIMUM LEAVING CERTIFICATE REQUIREMENTS
5 SUBJECTS

SUBJECTS 06/H7	SUBJECTS H5	MATHS GRADE	ENGLISH OR IRISH GRADE
5	0	06/H7	06/H7

Overview

Providing electrical power in a modern economy is about generation, distribution and usage in a safe, economic and sustainable way. Fossil fuel energy now combines with solar, wind and tidal energy to create "embedded" generation which needs a "smart grid" to automatically switch users and suppliers in and out while maintaining the quality of the supply. MTU's electrical engineering course is designed to equip technologists for this environment.

The general fields of study are renewable generation, transmission and distribution, plant automation, motor control, power systems planning, and industrial management and services. The syllabus is designed to prepare graduates for work in electrical power and automation systems. The high academic standard of the course is complemented by a strong emphasis on applications and project work. State-of-the-art lab equipment and software prepares graduates for the work environment. Class work is supplemented by field trips to major employers within the greater locality.

Students undertake a relevant work placement of no less than 7 weeks between April and September of third year. The placement is supported by a member of lecturing staff in MTU together with a workplace mentor. The aim of the work placement module is to introduce the student to the types of work practices, procedures and environments that they are likely to encounter as professional engineers. The module will provide students with structured opportunities to participate in the practical application of theoretical knowledge gained during the programme as well as develop key graduate competencies.

Further Studies

Suitably qualified Level 7 graduates are eligible to progress to year 4 (final year)

- Bachelor of Engineering (Honours) in Electrical Engineering

Accreditation

The Level 7 in Electrical Engineering is accredited by Engineers Ireland for Associate Membership.

Question Time

What is the difference between electronic engineering and electrical engineering?

Electronic engineering is small scale, low voltage, component level, microchips and programming.

Electrical engineering is high power, mains electricity, generation, power lines, transformers, motor/generators and automation.

What level of Mathematics is required?

Grade 06/H7 in the Leaving Certificate exam is the minimum requirement, however, a higher grade is recommended. Mathematics is used in all engineering disciplines and provides the tools for complex problems to be understood and solved. You would need to be comfortable with mathematics.

Can I become an electrician?

No. An electrician is a well-established trade which has its own development programme and its own target job market. Third level programmes are designed to equip graduates to deal with projects at design/development level and when approved/agreed, the work is implemented by skilled trades.

Contact Information

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Career Opportunities

Graduates are highly employable and can find work in many areas, including energy generation and distribution, building and industrial electrical services, consultancy and contract management as well as automation in modern, sustainable processes.

The significant increase in the emission of greenhouse gases from energy generation and consumption, resulting in global warming is now the biggest challenge facing humanity. Electrical engineers will contribute to addressing this challenge in the coming decades with a higher percentage of energy consumed being electrical energy generated from renewable resources. Changes including widespread use of electrical transport and heating using sustainable heat pumps will require major infrastructure investment to generate, distribute and sustainably consume this renewable electrical energy. The demand and opportunities for electrical engineers is now unprecedented.



First Year at a Glance

Year 1 is a good mix of practice and theory, so on average that's about 12 hours in the class and 12 hours in the laboratory.

- Theory: how electricity is generated, transmitted and distributed and there are also classes in electronic circuits, writing programmes and CAD
- Mathematics: this is required as everything in engineering has a formula which tells you how it works
- Laboratory work: you will build, test and calculate measurements on low voltage circuits using custom take home lab kits. You will also learn how to present your work, both in writing and verbally



Electronic Engineering (Honours)

Innealtóireacht Leictreonach (Onóracha)

Application: CAO

CAO Code: MT 846

NFQ Level: 8

Award Title: Bachelor of Engineering (Honours) in Electronic Engineering

Duration: 4 Years (8 Semesters)

Places: 40 (between MT 846 and MT 746)

Location: MTU Bishopstown Campus, Cork



Entry 2022

SCORE THE NECESSARY CAO POINTS AND MEET
MINIMUM LEAVING CERTIFICATE REQUIREMENTS
6 SUBJECTS

SUBJECTS 06/H7	SUBJECTS H5	MATHS GRADE	ENGLISH OR IRISH GRADE
4	2	06/H7	06/H7

Overview

Small, lightweight, portable devices like smartphones and tablets combine wireless technology with processing power to provide internet, communications and leisure functionality while on the move. They are now driving how we live, work and play. Combining low power consumption with microchip design, telecommunication and control circuitry (hardware) and the operating system software, they are the ultimate electronic system. MTU's MT 846 programme is designed to equip engineers to work at this level.

Electronic systems are used for the collection, processing and transmission of information. From the most sophisticated machines in industry, to cars, to household appliances and to personal items, all have the same thing in common: they are "intelligent". On a printed circuit board (PCB), surrounded by analogue and digital circuitry, there is a microprocessor, or maybe several, which has a clock (heartbeat). On every cycle the microprocessor executes an instruction from whatever programming it is running (software) – this ability is what makes the system intelligent. Intelligence, control and communications, theory and practice form the core material of this course.

Students undertake a relevant work placement of no less than 7 weeks between April and September of third year. The placement is supported by a member of lecturing staff in MTU together with a workplace mentor. The aim of the work placement module is to introduce the student to the types of work practices, procedures and environments that they are likely to encounter as professional engineers. The module will provide students with structured opportunities to participate in the practical application of theoretical knowledge gained during the programme as well as develop key graduate competencies.

Further Studies

Suitably qualified graduates are eligible to apply for a postgraduate degree at MTU:

- MEng (by Research)
- PhD

Many relevant PhD opportunities exist for suitably qualified candidates in the MTU NIMBUS Research Centre, Bishopstown Campus, Cork.

Accreditation

The BEng (Honours) in Electronic Engineering is currently not accredited but an application for accreditation by Engineers Ireland at the Bachelor (Honours) Level 8 educational standard will be made in 2022. Further learning is required to meet the educational standard for Chartered Engineer.

Question Time

What level of Mathematics is required?

Grade 06/H7 in the Leaving Certificate exam is the minimum requirement, however, a higher grade is recommended. Mathematics is used in all engineering disciplines and provides the tools for complex problems to be understood and solved. You would need to be comfortable with mathematics.

Can you give me examples of the type of work I will be able to do?

Test, develop, design electronic circuits or microchips (hardware), write programmes (software) for products, computer packages, games, mobile phone networks, provide technical support for products.

Will I be working in a factory?

The majority of electronic engineers work in nice offices! A huge amount of work is actually done on computers. However, if it's hardware then it will need building and testing in a lab. Mostly, the product will then be outsourced to other parts of the world for manufacture.

Contact Information

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Career Opportunities

Graduates are highly employable and can find work in many areas, including electronics, product development, IT, gaming, telecoms, manufacturing and smart power industries.

Modern society is increasingly dependent on smart, connected electronic systems and devices. These systems support mobile phone connectivity, digital streaming services, ecommerce, modern medicine and tools such as smart electricity meters that contribute to future sustainability. Modern electronics is now omnipresent in every aspect of everyday life and underpins many innovative developments for future sustainability. Career opportunities and demand for Electronic Engineers is now unprecedented with most employers reported a significant skills shortage.



First Year at a Glance

Year 1 is a good mix of practice and theory, so on average that's about 12 hours in the class and 12 hours in the laboratory.

- Theory: how basic electronic circuits work, e.g. resistors, transistors, digital gates
- Software: how to write software
- Mathematics: this is required as everything in engineering has a formula which tells you how it works
- Laboratory work: you will build, test and calculate measurements on low voltage circuits using custom take home lab kits. You will also learn how to present your work, both in writing and verbally



Electronic Engineering

Innealtóireacht Leictreonach

Application: CAO

CAO Code: MT 746

NFQ Level: 7

Award Title: Bachelor of Engineering in Electronic Engineering

Duration: 3 Years (6 Semesters)

Places: 40 (between MT 746 and MT 846)

Location: MTU Bishopstown Campus, Cork



Entry 2022

SCORE THE NECESSARY CAO POINTS AND MEET
MINIMUM LEAVING CERTIFICATE REQUIREMENTS
5 SUBJECTS

SUBJECTS 06/H7	SUBJECTS H5	MATHS GRADE	ENGLISH OR IRISH GRADE
5	0	06/H7	06/H7

Overview

Small, lightweight, portable devices like smartphones and tablets combine wireless technology with processing power to provide internet, communications and leisure functionality while on the move. They are now driving how we live, work and play. Combining low power consumption with microchip design, telecommunication and control circuitry (hardware) and the operating system software, they are the ultimate electronic system. MTU's MT 746 programme is designed to equip engineers to work at this level.

Electronic engineering is used for the collection, processing and transmission of information. From the most sophisticated machines in industry, to cars, to household appliances and to personal items, all have the same thing in common: they are "intelligent". On a printed circuit board (PCB), surrounded by analogue and digital circuitry, there is a microprocessor, or maybe several, which has a clock (heartbeat). On every cycle the microprocessor executes an instruction from whatever programming it is running (software) – this ability is what makes the system intelligent. Intelligence, control and communications, theory and practice form the core material of this course.

Students undertake a relevant work placement of no less than 7 weeks between April and September of third year. The placement is supported by a member of lecturing staff in MTU together with a workplace mentor. The aim of the work placement module is to introduce the student to the types of work practices, procedures and environments that they are likely to encounter as professional engineers. The module will provide students with structured opportunities to participate in the practical application of theoretical knowledge gained during the programme as well as develop key graduate competencies.

Further Studies

Suitably qualified Level 7 graduates are eligible to progress to year 4 (final year)

- Bachelor of Engineering (Honours) in Electronic Engineering

Accreditation

Yes. The Level 7 in Electronic engineering is accredited by Engineers Ireland for Associate Membership.

Question Time

What is the difference between electronic engineering and electrical engineering?

Electronic engineering is small scale, low voltage, component level, microchips and programming. Electrical engineering is high power, mains electricity, generation, power lines, transformers, motor/generators and automation.

What level of Mathematics is required?

Grade 06/H7 in the Leaving Certificate exam is the minimum requirement, however, a higher grade is recommended. Mathematics is used in all engineering disciplines and provides the tools for complex problems to be understood and solved. You would need to be comfortable with mathematics.

Contact Information

Dave Hamilton
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Career Opportunities

Graduates are highly employable and can find work in many areas, including electronics, product development, IT, gaming, telecoms, manufacturing and smart power industries.

Modern society is increasingly dependent on smart, connected electronic systems and devices. These systems support mobile phone connectivity, digital streaming services, ecommerce, modern medicine and tools such as smart electricity meters that contribute to future sustainability. Modern electronics is now omnipresent in every aspect of everyday life and underpins many innovative developments for future sustainability. Career opportunities and demand for Electronic Engineers is now unprecedented with most employers reported a significant skills shortage.



First Year at a Glance

Year 1 is a good mix of practice and theory, so on average that's about 12 hours in the class and 12 hours in the laboratory.

- Theory: how basic electronic circuits work, e.g. resistors, transistors, digital gates
- Software: how to write software
- Mathematics: this is required as everything in engineering has a formula which tells you how it works
- Laboratory work: you will build, test and calculate measurements on low voltage circuits using custom take home lab kits. You will also learn how to present your work, both in writing and verbally



Engineering (Common Entry)

Innealtóireacht (Iontráil Chomónta)

Application: CAO

CAO Code: MT 830

NFQ Level: 8

Award Title: Dependent on chosen specialisation

- BEng (Hons) in Biomedical Engineering
- BEng (Hons) in Chemical and Biopharmaceutical Engineering
- BEng (Hons) in Mechanical Engineering
- BEng (Hons) in Structural Engineering
- BEng (Hons) in Sustainable Energy Engineering

Duration: 4 Years (8 Semesters)

Places: 80

Location: MTU Bishopstown Campus, Cork



Entry 2022	SCORE THE NECESSARY CAO POINTS AND MEET MINIMUM LEAVING CERTIFICATE REQUIREMENTS 6 SUBJECTS			
	SUBJECTS 06/H7	SUBJECTS H5	MATHS GRADE	ENGLISH OR IRISH GRADE
	4	2	01/H6	06/H7

Overview

The common engineering honours 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.

The scheme gives students the opportunity to see all five engineering disciplines first hand. Through the various modules on offer, interaction with the lecturers and site visits will assist the student to decide which discipline suits them best.

On successful completion of year 1, students can enter the second year programme of their choice from any of the following honours engineering degrees

- MT 831 BEng (Hons) in Structural Engineering
- MT 836 BEng (Hons) in Mechanical Engineering
- MT 837 BEng (Hons) in Sustainable Energy Engineering
- MT 838 BEng (Hons) in Chemical and Biopharmaceutical Engineering
- MT 839 BEng (Hons) in Biomedical Engineering

Please see relevant individual course descriptions in this prospectus.

Accreditation

The BEng (Hons) programmes in Chemical and Biopharmaceutical Engineering, Mechanical Engineering, Structural Engineering, and Biomedical Engineering are each fully accredited by Engineers Ireland at the Bachelor (Honours) Level 8 educational standard. For further details refer to www.engineersireland.ie/Services/Accredited-Courses/Chartered-Engineer.aspx

The BEng (Hons) in Sustainable Energy Engineering is accredited by the Energy Institute. For further details refer to www.energyinst.org/search?query=accredited+programmes.

Question Time

Am I guaranteed my choice of study at the end of year 1?

Yes. Successful completion of the common engineering entry year ensures guaranteed entry to year 2 of BEng (Honours) programme of choice from the list given.

If I did not study Higher Level Mathematics in the Leaving Certificate will I struggle on the courses given that all course streams would normally require Higher Level Mathematics?

The mathematics modules in Year 1 are specifically tailored to address the topics which underpin subsequent BEng (Honours) programme studies; this gives a very specific focus to student learning. While the common entry students undertake the same mathematics modules as the Year 1 BEng (Honours) students, an additional module of mathematics is undertaken in the inter-semester period in January each year.

This provides the common entry students with an additional learning opportunity in advance of the semester 2 mathematics module. Experience has shown that students who do not have the usual BEng (Honours) minimum H4 requirement do succeed in the common entry programme if they have also taken Leaving Certificate Physics and/or Chemistry and are committed to their year 1 studies.

Students who do not have the O1/H6 Maths requirement, or equivalent, and who do not have Leaving Certificate Physics or Leaving Certificate Chemistry may find the programme particularly challenging and additional work effort and application is required of these students if they are to succeed.

MTU's Academic Learning Centre provides free tuition in a number of disciplines, including mathematics.

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Career Opportunities

Graduate engineers from the honours engineering degree programmes can choose from a range of excellent career opportunities working in the private or public sector with opportunities available at both national and international Level. Many graduates ultimately progress to senior management positions in their organisations. These honours engineering degree programmes also provide a basis for suitably qualified graduates to pursue more advanced studies at masters or PhD level.

- Chemical & process engineering
- Mechanical engineering
- Civil, structural & environmental engineering
- Biomedical engineering
- Energy engineering



First Year at a Glance

- Engineering Mechanics: understanding the performance of engineering materials when subject to external loads and forces
- CAD with Design: computer-aided design similar to the Leaving Certificate subject Design and Communication Graphics
- Engineering Physics: introduction to geometric optics, atomic and nuclear physics, electromagnetism, and thermal physics
- Engineering Chemistry: fundamentals of atomic theory and chemical bonding; inorganic and physical chemistry
- Material Science and Engineering: understanding the nature and properties of engineering materials
- Engineering Mathematics: mathematical topics of direct relevance to professional engineering studies
- Creativity, Innovation and Teamwork
- Discipline Specific Elective Modules



Environmental Engineering

Innealtóireacht Chomhshaoil

Application: CAO

CAO Code: MT 761

NFQ Level: 7

Award Title: Bachelor of Engineering in Environmental Engineering

Duration: 3 Years (6 Semesters)

Places: 20

Location: MTU Bishopstown Campus, Cork



Entry 2022	SCORE THE NECESSARY CAO POINTS AND MEET MINIMUM LEAVING CERTIFICATE REQUIREMENTS 5 SUBJECTS			
	SUBJECTS 06/H7	SUBJECTS H5	MATHS GRADE	ENGLISH OR IRISH GRADE
	5	0	06/H7	06/H7

Overview

Environmental engineering is that branch of engineering concerned with the application of scientific and engineering principles for the protection and improvement of the environmental quality of the world in which we live. Environmental engineers work on issues of sustainability, provide safe and secure drinking water, collect, treat and properly dispose of wastewater and other wastes, design flood protection measures, maintain or improve air and noise quality, design sustainable urban drainage systems, clean up contaminated land and groundwater, and help communities and industry minimise pollution, among many other activities.

It is most commonly a distinct and specialist engineering discipline within the civil engineering profession and it is in this context that this course has been developed.

Practical sessions are carried out to provide as much "hands on" experience as possible. There is continuous assessment of reports, drawings and projects in addition to mid and end of module examinations. The Department has active links with colleges in France, Germany, Finland, and the Czech Republic, and student study exchanges with these colleges can be arranged.

Many graduates of the programme will use the qualification as a stepping stone to attain an honours degree in the discipline.

Further Studies

Suitably qualified graduates may apply to

- Year 3 of Bachelor of Engineering (Honours) in Sustainable Energy Engineering (MT 837)
- Year 4 of Bachelor of Engineering (Honours) in Construction Management (MT 856)
- Year 4 of Bachelor of Science (Honours) in Building Information Modelling and Management

Question Time

What topics are studied in this programme?

The first two years involve foundation studies in theory and fundamental principles. Fundamental civil engineering practice studies are undertaken in the areas of environmental engineering, construction, health and safety, materials technology, surveying, and structural engineering.

In year 3 the mandatory modules have a particular focus on environmental engineering with skills in water, wastewater, integrated waste, transport planning and infrastructure design being developed; engineering practice skills are further developed in the areas of management and geotechnical engineering. The theory and fundamental principles studies necessary for the further academic progression of the graduate are also provided. The project module (10 credits) affords the student an opportunity to carry out an engineering investigation into a specific topic where they can use the knowledge gained during their studies.

Why study Environmental Engineering?

Increased environmental awareness and significant developments in environmental legislation and quality assurance requirements have created increased career opportunities locally, nationally and internationally for environmental engineers. Environmental engineering infrastructure such as systems for water supply and distribution, wastewater collection and treatment and flooding control, which were developed some time ago, are in urgent need of renewal and the provision of modern management systems for the broad remit of today's environmental engineering infrastructure is a priority in a world increasingly aware of sustainability and cost issues; qualified environmental engineers are needed to deliver this renewal.

Contact Information

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Career Opportunities

An undergraduate education in engineering provides a very good platform not only for a career and/or further education in engineering but potentially for a much wider spectrum of employment opportunities. Graduates of this programme will have developed skills in a broad range of civil engineering disciplines but will have developed particular expertise in environmental engineering.

- Consulting engineers
- State/semi-state bodies
- Utility companies
- Local authorities
- Contractors
- Self-Employed Consultant



First Year at a Glance

- **Mechanics:** understanding the performance of engineering materials when subject to external loads and forces
- **CAD:** computer-aided design similar to design and communications graphics in the Leaving Certificate
- **Construction:** domestic scale construction addressing the detailing of traditional and passive house techniques external works and service provision
- **Health & Safety:** professional obligations under the Safety, Health and Welfare at Work Act and how to apply them to the workplace
- **Environmental Engineering:** an understanding of the environment in an engineering context; topics include water cycle, water quality, air and noise pollution, soil contamination
- **Land Surveying:** developing the ability to use specialist surveying equipment to complete land surveying and building measurement tasks
- **Material Science:** understanding the nature and properties of engineering materials
- **Mathematics**
- **Communication Skills**



Interior Architecture (Honours)

Ailtireacht Intí (Onóracha)

Application: CAO

CAO Code: MT 860

NFQ Level: 8

Award Title: Bachelor of Science (Honours) in Interior Architecture

Duration: 4 Years (8 Semesters)

Places: 36 - 40 (between MT 860 and MT 760)

Location: MTU Bishopstown Campus, Cork



Overview

Interior architecture is specific to a building's interior. It stands at the intersection of architecture, design of the built environment, sustainability, and conservation. Unlike interior design, it is architecture within the confines of an existing building. As such, the course requires a level of technical competence to compare with that of the architect, as the responsibilities to the client and community are similar.

This course examines contemporary practice in interior architecture and teaches you about our architectural heritage, how buildings work, and how to create high quality spatial experiences. It involves the design of interiors of buildings, their layout, fitting, furnishing and decoration, and the preparation of all technical drawings and written documentation necessary for the carrying out of the work.

The work of interior architectural design includes domestic, commercial, leisure, retail, educational, healthcare and cultural interior projects. Interior architectural design encompasses many types of interiors and utilises accompanying skills.

At MTU, interior architecture covers the spectrum of industry specialisms. It involves the initial design and plan for use to accommodate a changed purpose, or a significantly revised design for adaptive reuse of the building shell. It considers structural adaptation, sustainable redevelopment strategies, use of light, air movement, ventilation, horizontal/vertical circulation, and servicing. The practice of interior architecture responds to multiple user needs and a wider social responsibility.

The core of this programme is the design studio where skills in design and representation are integrated with mastery of content from other modules. The emphasis is the development of strong design and analytical skills in a studio-based environment.

Question Time

Is the course accredited?

There is currently no accreditation process available in interior architecture in Ireland.

How much of my time is devoted to studio and project work?

Approximately 50% of time is devoted to studio and project work.

What year does work placement occur?

Formal work placement (minimum of five weeks) is an integral element of the course and takes place in year 3. The placement programme will familiarise the student with work practices and procedures and provide them with the opportunity to observe the practical application of theoretical knowledge gained on their programme.

The placement is supported by a member of academic staff in MTU together with a workplace mentor. The aim of the industry placement is to introduce the student to structured employment in a relevant work sector and to develop the student's understanding.

What is the difference between interior architecture and architectural technology?

Interior architecture includes aesthetic design of all interior aspects of a building. Architectural technology can be described as technical design.

Am I qualified as an interior designer?

This programme is designed to graduate candidates who will practice in interior architecture which includes interior design.

Contact Information

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Entry 2022			
SCORE THE NECESSARY CAO POINTS AND MEET MINIMUM LEAVING CERTIFICATE REQUIREMENTS 6 SUBJECTS			
SUBJECTS 06/H7	SUBJECTS H5	MATHS GRADE	ENGLISH OR IRISH GRADE
4	2	06/H7	06/H7



Career Opportunities

This course qualifies graduates to work in architectural practice, interior architecture, and interior design firms, and allied disciplines in the capacity of an architectural designer with a developed area of focus and expertise or in entry management positions.

The graduate will be proficient in interior planning, spatial design and the materiality of complex interior schemes that involve multiple floors and mixed uses. The graduate is also oriented to commercial architectural practice with a strong understanding of sustainable design. The graduate will be able to develop designs and their attendant working drawings, and will deal with contractors, suppliers, and local authorities. The graduate may also select self-employment after a suitable period of practical experience.

- Private practice
- Commercial
- Government organisation
- Local authority



First Year at a Glance

The core of the learning experience takes place in the studio through interior architecture design projects and the application and integration of knowledge and skills explored in lecture modules.

The focus of the year 1 studio is simple spatial design and design of domestic scale interior space including the exploration of the processes used to create interior architecture.

Modules include History (western architecture and design and key buildings), Technology & Materials while skills developed include communication, graphic techniques, sketching, drawing, model making, problem solving, and teamwork.



Interior Architecture

Ailtireacht Intí

Application: CAO

CAO Code: MT 760

NFQ Level: 7

Award Title: Bachelor of Science in Interior Architecture

Duration: 3 Years (6 Semesters)

Places: 36 - 40 (between MT 760 and MT 860)

Location: MTU Bishopstown Campus, Cork



Entry 2022

SCORE THE NECESSARY CAO POINTS AND MEET
MINIMUM LEAVING CERTIFICATE REQUIREMENTS
5 SUBJECTS

SUBJECTS 06/H7	SUBJECTS H5	MATHS GRADE	ENGLISH OR IRISH GRADE
5	0	06/H7	06/H7

Overview

Interior architecture involves the design of interiors of buildings, their layout and space planning, fitting, technical and structural resolution, furnishing and decoration, and the preparation of all technical drawings and written documentation necessary for the carrying out of the work. The design work of interior architecture includes domestic, commercial, leisure, retail, educational, healthcare and cultural interior projects. Interior architectural design encompasses many types of interiors and utilises accompanying skills.

This course qualifies graduates to work in architectural and interior design firms, in junior management positions, and prepares the individual to choose self-employment after a suitable period of practical experience.

This mainly studio-based course is taught through formal lectures and tutorials. It has a significant amount of time allocated to studio and project work. There is appropriate technical input, supplementing the design drawing and presentation content.

This course examines contemporary practice in interior architecture and teaches you about our architectural heritage, how buildings work, and how to create high quality spatial experiences.

At MTU, interior architecture covers the spectrum of industry specialisms. It involves the initial design and plan for use to accommodate a changed purpose, or a significantly revised design for adaptive reuse of the building shell. It considers structural adaption, sustainable redevelopment strategies, use of light, air movement, ventilation, horizontal/vertical circulation, and servicing. The practice of interior architecture responds to multiple user needs and a wider social responsibility.

Further Studies

Subject to availability of places, suitably qualified graduates are eligible to apply for entry to year 4 (final year)

- Bachelor of Science (Honours) in Interior Architecture

Question Time

Is the course accredited?

There is currently no accreditation process available in Interior Architecture in Ireland.

How much of my time is devoted to studio and project work?

Approximately 50% of time is devoted to studio and project work.

What year does work placement occur?

Formal work placement (minimum of five weeks) is an integral element of the course and takes place in year 3. The placement programme will familiarise the student with work practices and procedures and provide them with the opportunity to observe the practical application of theoretical knowledge gained on the programme.

The placement is supported by a member of academic staff in MTU together with a workplace mentor. The aim of the industry placement is to introduce the student to structured employment in a relevant work sector and to develop the student's understanding.

What is the difference between interior architecture and architectural technology?

Interior architecture includes aesthetic design of all interior aspects of a building. Architectural technology can be described as technical design.

Am I qualified as an interior designer?

This programme is designed to graduate candidates who will practice in interior architecture which includes interior design.

Contact Information

Anne Rogers
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Career Opportunities

This course qualifies graduates to work in architectural practice, interior architecture, and interior design firms, and allied disciplines in Architecture with a broad range of professional skills.

The graduate will be proficient in planning, spatial design and the materiality of interior schemes that involve multiple floors and mixed uses. The graduate is also oriented to commercial architectural practice with a strong understanding of sustainable design. The graduate will be able to develop designs and their attendant working drawings, and will deal with contractors, suppliers, and local authorities. The graduate may also select self employment after a suitable period of practical experience.

- Private practice
- Commercial
- Government organisation
- Local authority



First Year at a Glance

- Interior Architecture Studio: introduction to simple spatial design; processes that are commonly used to organise and support study; research, analysis and studio design projects
- Graphics: introduces you to the core of communication skills appropriate for a career in interior architecture; construction industry drawing conventions and techniques in order to clearly communicate design proposals
- Technology & Materials: introduction to building technology; construction systems, components, and relevant building regulations principles
- Architectural History & Design Theory: explores the foundations of western architecture examining the spatial, formal and structural components of key buildings and interior design



Manufacturing Engineering (Honours)

Innealtóireacht Déantúsaíochta (Onóracha)

Application: CAO

CAO Code: MT 835

NFQ Level: 8

Award Title: Bachelor of Science (Honours) in Manufacturing Engineering

Duration: 4 Years (8 Semesters)

Places: 16

Location: MTU Kerry South Campus



Entry 2022

SCORE THE NECESSARY CAO POINTS AND MEET
MINIMUM LEAVING CERTIFICATE REQUIREMENTS
6 SUBJECTS

SUBJECTS 06/H7	SUBJECTS H5	MATHS GRADE	ENGLISH OR IRISH GRADE
4	2	06/H7	06/H7

Overview

Manufacturing engineering is a broad discipline, which involves the research, development, design, manufacture, operation and maintenance of equipment and machinery. A person working in this position designs the actual process that manufactures the product. Manufacturing engineers plan and design all kinds of products, from microelectronics, smartphones, formula one engine design, advanced factory automation equipment, medical devices and the hundreds of complex machines that we take for granted in everyday life.

Practical engineering subjects form the core of first year, while specialist modules in instrumentation, embedded systems, advanced manufacturing technology, control and robotics provide a focus in second and third year. There is also a twelve-week work placement during third year which lays the foundations of your career path and significantly improves your employability at the end of the programme. In addition, each student completes a project to design, test and/or manufacture components or a production system.

The final year of the programme will further enhance the student's in-depth theoretical knowledge of the major facts, pertinent theories, concepts and methods employed in the field of manufacturing engineering. There is also a team research project which enhances the student's research and analytical skills and their ability to work in groups which is of significant benefit to the manufacturing industry.

High-tech advanced manufacturing is the future for our economy. Our degrees are designed to prepare you for a rewarding career in this thriving, dynamic sector. The engineering facilities at MTU are state-of-the-art, and include computer and electronics labs, science labs, robotics labs, mechanical engineering labs, machine and welding workshops, a renewable energy laboratory, a power-units garage, a machinery hall and extensive library facilities. The programmes have been designed with substantial input from industry and deliver broad knowledge in manufacturing engineering and prepare graduates for work in a wide variety of fields both in Ireland and internationally.

Further Studies

Suitably qualified Level 8 honours graduates are eligible to progress to taught master programmes or to research at either master or PhD level.

Contact Information

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E: daniel.riordan@mtu.ie



Career Opportunities

Graduates work in a range of industries, including manufacturing, electronics, automotive, automation, maintenance and development. Engineering roles include

- Factory management
- Applications and hardware design
- IC design
- Multimedia applications
- Network administration
- Power engineering
- Process control
- Software development
- Telecommunications
- Design, service, testing and verification



First Year at a Glance

- Engineering Drawing and CAD: introduces the necessary draughting skills which are required by technicians and engineers in an engineering or design environment
- Workshop Processes: engineering materials and processes used in mechanical engineering
- Engineering Mathematics: essential numerical, algebraic and graphical skills for studying engineering
- Engineering Science: principles of physics, particularly energy consumption and conservation, and its associated aspects in engineering
- Engineering Mechanics: applied mathematical solutions to basic engineering problems
- Electricity: develops a theoretical and practical understanding of electricity concepts
- Instrument Technology: provides competence in the use of instruments to measure flow-rate, temperature, speed, oil hydraulics, and level
- Computer Programming: the knowledge and skills necessary to program a computer in C#
- Electronics: basic principles underlying the operation of electronic components
- Material Science: introduction to a range of materials, their properties and applications
- Production Technology: current methods of soldering components to their substrates



Mechanical and Automation Engineering

Innealtóireacht Mheicniúil agus Uathoibríthe

Application: CAO

CAO Code: MT 735

NFQ Level: 7

Award Title: Bachelor of Engineering in Mechanical and Automation Engineering

Duration: 3 Years (6 Semesters)

Places: 32

Location: MTU Kerry South Campus

Entry 2022

SCORE THE NECESSARY CAO POINTS AND MEET
MINIMUM LEAVING CERTIFICATE REQUIREMENTS
5 SUBJECTS

SUBJECTS 06/H7	SUBJECTS H5	MATHS GRADE	ENGLISH OR IRISH GRADE
5	0	06/H7	06/H7



Overview

Manufacturing engineering is a broad discipline, which involves the research, development, design, manufacture, operation and maintenance of equipment and machinery. A person working in this position designs the actual process that manufactures the product. Manufacturing engineers plan and design all kinds of products, from microelectronics, smartphones, formula one engine design, advanced factory automation equipment, medical devices and the hundreds of complex machines that we take for granted in everyday life.

Practical engineering subjects form the core of first year, while specialist modules in instrumentation, embedded systems, advanced manufacturing technology, control and robotics provide a focus in second and third year. There is also a twelve-week work placement during third year which lays the foundations of your career path and significantly improves your employability at the end of the programme. In addition, each student completes a project to design, test and/or manufacture components or a production system.

High-tech advanced manufacturing is the future for our economy. Our degrees are designed to prepare you for a rewarding career in this thriving, dynamic sector. The engineering facilities at MTU are state-of-the-art, and include computer and electronics labs, science labs, robotics labs, mechanical engineering labs, machine and welding workshops, a renewable energy laboratory, a power-units garage, a machinery hall and extensive library facilities. The programmes have been designed with substantial input from industry and deliver broad knowledge in manufacturing engineering and prepare graduates for work in a wide variety of fields both in Ireland and internationally.

Further Studies

Suitably qualified graduates are eligible to apply for entry to year 4 (final year)

- Bachelor of Science (Honours) in Manufacturing Engineering.

Contact Information

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Career Opportunities

Graduates work in a range of industries, including manufacturing, electronics, automotive, automation, maintenance and development. Engineering roles include

- Factory management
- Applications and hardware design
- IC design
- Multimedia applications
- Network administration
- Power engineering
- Process control
- Software development
- Telecommunications
- Design, service, testing and verification



First Year at a Glance

- Engineering Drawing and CAD: introduces the necessary draughting skills which are required by technicians and engineers in an engineering or design environment
- Workshop Processes: engineering materials and processes used in mechanical engineering
- Engineering Mathematics: essential numerical, algebraic and graphical skills for studying engineering
- Engineering Science: principles of physics, particularly energy consumption and conservation, and its associated aspects in engineering
- Engineering Mechanics: applied mathematical solutions to basic engineering problems
- Electricity: develops a theoretical and practical understanding of electricity concepts
- Instrument Technology: provides competence in the use of instruments to measure flow-rate, temperature, speed, oil hydraulics, and level
- Computer Programming: the knowledge and skills necessary to program a computer in C#
- Electronics: basic principles underlying the operation of electronic components
- Material Science: introduction to a range of materials, their properties and applications
- Production Technology: current methods of soldering components to their substrates



Mechanical and Manufacturing Engineering

Innealtóireacht Mheicniúil agus Déantúsaíochta

Application: CAO

CAO Code: MT 834

NFQ Level: 8

Award Title: Bachelor of Engineering (Honours) in Mechanical and Manufacturing Engineering

Duration: 4 Years (8 Semesters)

Places: 30

Location: MTU Kerry South and North Campus



Entry 2022

SCORE THE NECESSARY CAO POINTS AND MEET
MINIMUM LEAVING CERTIFICATE REQUIREMENTS
6 SUBJECTS

SUBJECTS 06/H7	SUBJECTS H5	MATHS GRADE	ENGLISH OR IRISH GRADE
4	2	06/H7	06/H7

This course is under development, subject to Academic Council approval.

NOTE: Applications will be assessed based on a combination of Leaving Certificate points and points awarded for interview and/or portfolio. The portfolio is an opportunity for students to demonstrate their suitability for engaging in a dynamic, creative and engaging REEdI Engineering Programme.

Overview

The REEdI (Rethinking Engineering Education in Ireland) BEng (Honours) in Mechanical and Manufacturing Engineering is a blended degree that brings in the best of manufacturing and mechanical engineering, culminating in flexible and adaptable engineers to meet the needs of the manufacturing sector. The REEdI student engineer will learn about the design and development of processes whilst also gaining an equally strong knowledge of the design, development and operation of products and equipment.

The REEdI blended degree is built around three core pillars:

- Pillar 1 of the programme is a project centric pillar (on-campus and in the workplace) which will form a basis of evaluation as well as a conduit for student engineers to learn personal and interpersonal skills
- Pillar 2 is a performance planning and review pillar (which gives student engineers the opportunity to enhance their project management and transversal skills, with the goal of identifying, reflecting and improving on their learning objectives throughout the programme)
- Pillar 3 is the engineering knowledge and skills which student engineers acquire in a self-directed, timely and relevant manner, accessed through an online eLearning 'topic tree' (in addition to targeted face-to-face learning opportunities)

Students will learn "just-in-time" not "just-in-case". The course will be delivered using cutting edge technologies such as augmented and virtual reality. In addition, students get to learn from top lecturers in the field, study and work with cutting edge technologies, work with world-class companies, learning much more through hands-on experience than you would in a traditional engineering programme. The goal of the REEdI programme is to turn curious, creative, innovative and adaptable people into the engineers of the future.

Formal work placement (2 years) is an integral element of the course and takes place in years three and four. REEdI will secure work placement for students, working with industry partners to ensure specific projects are ready for students to prepare for prior to going on placement which they will then work on whilst on placement.

Further Studies

Suitably qualified Level 8 honours graduates are eligible to progress to taught master programmes or to research at either master or PhD level.

Question Time

What can I include in my digital portfolio?

At REEdI we are looking for you to provide us with evidence of your suitability to undertake a REEdI Engineering Degree in Mechanical and Manufacturing Engineering.

We need to see that you are an innovative, creative, problem solver that is self-directed and self-motivated. There is no standard digital portfolio but the following guidelines apply. We will accept the following for the portfolio- projects undertaken as part of:

- Leaving Certificate Engineering/Design and Communication Graphics/Technology/Construction studies/Computer Science projects
- SciFest projects
- Young Scientist of the year projects
- Junior Entrepreneur of the year projects
- Other (e.g. mature students- projects within their industry/ work experience, F1 in schools projects etc)

Please contact us at reedi@mtu.ie to discuss other portfolio/options available.

Contact Information

Dr Fiona Boyle
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Career Opportunities

Graduates will be in prime position to take up roles within small and medium enterprises and multinational manufacturing organisations across the following sectors: automotive, general manufacturing, agritech, pharma, and medtech.

The roles are varied and can include mechanical engineers; product engineers; design engineer; R&D engineer; polymer engineer; process engineer; production support engineer; facilities engineer; plant engineer; maintenance engineer; calibration engineer; project engineer; sales engineer; validation engineer; biomedical engineer; quality engineer; manufacturing engineer



First Year at a Glance

- Engineering Technology: introduces the fundamentals of engineering tools and equipment
- Design Engineering: design methodology and basic draughting skills
- Mechanical engineering: basic principles and the analysis of static and dynamic systems in engineering
- Mathematical Methods for Engineers: basic principles of mathematics and their application in solving engineering problems
- Electrical Engineering: basic principles of electricity and electronics and their applications in engineering
- Automation Engineering: basic principles of instrumentation and control and their applications in engineering
- Engineering Science: basic principles of physics, a range of materials, their properties, processing techniques
- Engineering Challenge 1: reinventing The Wheel – group project challenge which provides an opportunity for research and encourages creativity
- Engineering Challenge 2: group project simulating the introduction and automation of a manufacturing line (Semester 2)



Mechanical Engineering (Honours)

Innealtóireacht Mheicniúil (Onóracha)

Application: CAO

CAO Code: MT 836

NFQ Level: 8

Award Title: Bachelor of Engineering (Honours) in Mechanical Engineering

Duration: 4 Years (8 Semesters)

Places: 20

Location: MTU Bishopstown Campus, Cork



Entry 2022

SCORE THE NECESSARY CAO POINTS AND MEET
MINIMUM LEAVING CERTIFICATE REQUIREMENTS
6 SUBJECTS

SUBJECTS 06/H7	SUBJECTS H5	MATHS GRADE	ENGLISH OR IRISH GRADE
4	2	H4 OR (NOTE 1)	06/H7

NOTE 1: The requirement for H4 Maths may also be satisfied by H4 in Applied Maths plus H6 in Maths.

NB: Please note the H4 grade in Maths can also be used to satisfy one of the H5 entry requirements.

Overview

Mechanical engineering involves the design, manufacture and operation of products, components or systems incorporating motion. Studying mechanical engineering enables students to learn how to systematically design essential machine elements and to devise solutions ranging from R&D or manufacture in automotive, aerospace, power generation and biomedical engineering applications, to the commissioning and maintenance of industrial or pharmaceutical facilities.

Design and project work is a major feature of the course. The Innovative Project Development modules in year 3 enable students, working in teams, to bring a concept from the idea stage through to a finished prototype, considering the technical performance and commercial potential of their designs. In the final year, each student undertakes an individual project involving research, design, prototype development and experimental verification to meet a real need.

Honours degree graduates generally gain employment as mechanical, design, manufacturing, production, process, plant, project or maintenance technologists/engineers. They work in fields such as aerospace, automotive, computer and electronic manufacture, machine and plant design, power generation, engine design, contracting and consulting, biomedical and pharmaceutical sectors.

Students have the option of undertaking a work placement in industry or in a research laboratory in Ireland or abroad with one of our partner institutions. Examples include ICAM, (France), Einm (France), Uniten (Kuala Lumpur), University of Vigo (Spain), Czech Technical University in Prague, University of Applied Science, Frankfurt.

Accreditation

The BEng (Honours) in Mechanical Engineering is fully accredited by Engineers Ireland at the Bachelor (Honours) Level 8 educational standard. Further learning is required to meet the educational standard for Chartered Engineer.

Further Studies

At the end of year 3, subject to a minimum of a H2.2 standard achieved in year 3, students may elect to transfer to the integrated MEng in Mechanical Engineering (Level 9) comprising two further years (4 semesters) of study. Suitably qualified Level 8 graduates are eligible to progress to taught master programmes or to research at either master or PhD level.

Question Time

What level of design is involved with mechanical engineering?

Design is the main focus of the programme and utilises all the modern computer-aided design tools for 3D solid modelling, stress analysis, system simulation etc.

Are there any events I should attend to learn more about mechanical engineering?

MTU Bishopstown Campus usually hosts the Cork Mechanical, Manufacturing & Biomedical Engineering Annual Exhibition in April. Please see www.mtu.ie for details.

Is there a scholarship available for the course?

Yes. The MTU-DePuy Synthes Mechanical Engineering scholarship is open to CAO applicants and worth €3,000 per year for the successful candidate. DePuy Synthes (a Johnson & Johnson company) is a major multinational employer in the Cork region, manufacturing artificial joints in Ringaskiddy in Cork. The support of DePuy Synthes for the scholarship is a major endorsement of the relevance of the course to the Mechanical Engineering industry.

Contact Information

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Career Opportunities

Mechanical Engineering is a broad-based discipline offering career opportunities in design, manufacturing, technical support in a wide range of industries including oil/gas, power generation, plant construction, medical devices, aerospace and automotive. Many mechanical engineers also progress into general management roles where their analytical skills are greatly valued.

- Mechanical engineering design
- Consulting project engineer
- Manufacturing and precision engineering
- Process industries including chemical and biopharmaceutical
- Aerospace
- Project engineering
- Offshore oil and gas
- Biomedical device design and manufacture



First Year at a Glance

- Engineering Physics: application of physics to engineering problems
- Properties of Materials: appropriate choice of materials to use for a particular engineering/device application
- Engineering Computing: programming for engineering applications using numerical methods
- Thermo/Fluid Mechanics: application of hot and cold fluid systems in engineering
- Mechanics: understanding the performance of engineering materials when subject to external loads and forces
- Engineering Chemistry: application of chemistry to engineering problems
- 3D CAD: computer-aided design (CAD) is similar to the Leaving Certificate subject Design and Communication Graphics
- Workshop: shaping and application of metal components
- Mathematics



Mechanical Engineering

Innealtóireacht Mheicniúil

Application: CAO

CAO Code: MT 736

NFQ Level: 7

Award Title: Bachelor of Engineering in Mechanical Engineering

Duration: 3 Years (6 Semesters)

Places: 80

Location: MTU Bishopstown Campus, Cork



Entry 2022

SCORE THE NECESSARY CAO POINTS AND MEET
MINIMUM LEAVING CERTIFICATE REQUIREMENTS
5 SUBJECTS

SUBJECTS 06/H7	SUBJECTS H5	MATHS GRADE	ENGLISH OR IRISH GRADE
5	0	06/H7	06/H7

Overview

Mechanical engineers play a crucial role in a wide range of industries, among them air, rail, sea and road. They are involved in high precision processes such as the design and manufacture of prosthetic devices and robotic mechanisms.

The physical scale of their work ranges from nanoscale motors and pumps through to high speed trains, wind turbines, and rocket/vehicles for space exploration. Mechanical engineering enables students to learn how to systematically design essential machine elements and using 3D computer aided engineering, to display and test these models.

This course has a strong emphasis on the practical side of mechanical engineering, exposing the student to many "hands on" modules in workshops and laboratories. Modules on the course are grouped into streams that run over the three years: Workshop Practice, Mechatronics, Mechanical Design and Computer Aided Engineering, Mechanics, Thermofluids, Materials, Management, Projects, Mathematics and Elective Options. Graduates are prepared to progress to further study or to take up challenging and varied careers in industry.

Recent projects have taken place in the following areas

- Engine development and design
- Sports equipment & training aids
- 3D modelling
- Automation systems
- Sustainable engineering

Accreditation

The BEng in Mechanical Engineering is fully accredited by Engineers Ireland for Associate Engineer eligibility.

Further Studies

Suitably qualified graduates are eligible to apply for entry to the one year add-on

- Bachelor of Engineering (Honours) in Advanced Manufacturing Technology or
- Bachelor of Engineering (Honours) in Process Plant Technology

A limited number of candidates may also be considered for entry to year 3 (which necessitates two further years of study)

- Bachelor of Engineering (Honours) in Mechanical Engineering

Question Time

What level of design is involved with Mechanical Engineering?

Design is a central theme of the programme and students use the latest 3D modelling software to develop and communicate their ideas.

Is there much practical work on the course?

Students get hands-on practice in mechanical workshop, welding, computer-aided design, mechatronics, and also have the option of selecting elective modules in automotive engineering. The course is designed to give an overall balance between practical activities and theory.

Are there any events I should attend to learn more about Mechanical Engineering?

MTU Bishopstown Campus usually hosts the Cork Mechanical, Manufacturing & Biomedical Engineering Annual Exhibition in April, the largest exhibition of its kind in Ireland. Please see www.mtu.ie for details.

Contact Information

Tony Kelly
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Career Opportunities

Mechanical engineering applies the principles of physics and materials science for analysis, design, manufacturing, and maintenance of mechanical systems. Mechanical engineering involves the production and usage of heat and mechanical power for the design, production, and operation of machines and tools.

Employment opportunities exist in the high-tech manufacturing industries at technician engineer level dealing with design, production, manufacturing, quality, estimating, planning and the operation and maintenance of high-tech automated manufacturing equipment. Other areas include

- Design technician/engineer
- Plant inspector/quality manager
- Manufacturing technician/engineer
- Technical sales engineer



First Year at a Glance

- Mechatronics: interaction between mechanical and electronic components
- 3D CAD: computer-aided design (CAD) is similar to the Leaving Certificate subject Design and Communication Graphics
- Properties of Materials: appropriate choice of materials to use for a particular engineering/device application
- Mechanics: understanding the performance of engineering materials when subject to external loads and forces
- Automobile Engineering: analysing automobile engines
- Thermo/Fluid Mechanics: application of hot and cold fluid systems in engineering
- Workshop: shaping and application of metal components
- Mathematics

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www.mtu.ie/MT736

Quantity Surveying (Honours)

Suirbhéireacht Chainníochta (Onóracha)

Application: CAO

CAO Code: MT 857

NFQ Level: 8

Award Title: Bachelor of Science (Honours) in Quantity Surveying

Duration: 4 Years (8 Semesters)

Places: 20

Location: MTU Bishopstown Campus, Cork



Entry 2022	SCORE THE NECESSARY CAO POINTS AND MEET MINIMUM LEAVING CERTIFICATE REQUIREMENTS 6 SUBJECTS			
	SUBJECTS 06/H7	SUBJECTS H5	MATHS GRADE	ENGLISH OR IRISH GRADE
	4	2	06/H7	06/H7

Overview

A quantity surveyor manages all costs relating to building and civil engineering projects, from the initial calculations to the final figures. Quantity surveyors seek to minimise the costs of a project and enhance value for money, while still achieving the required standards and quality. A quantity surveyor may work for either the client or the contractor, working in an office or on-site. They are involved in a project from the start, preparing estimates and costs of the work.

A significant emphasis is placed on project and experimental work with site visits and field trips making up an integral part of the coursework. The course culminates with students submitting a bespoke construction project of their choosing demonstrating the application of technically appropriate, economically viable and environmentally sustainable solutions, from inception through to contract completion. Graduates, upon gaining employment, may commence their structured training leading to designation as a chartered surveyor.

The work placement will familiarise the student with work practices and procedures and provide him/her with the opportunity to observe the practical application of theoretical knowledge gained on his/her programme. The placement is supported by a member of academic staff in MTU together with a workplace mentor. The aim of the industrial placement is to introduce the student to structured employment in a relevant work sector and to develop the student's understanding of the organisation, its procedures and technology.

Accreditation

The course is fully accredited by the Society of Chartered Surveyors Ireland (SCSI), The Royal Institution of Chartered Surveyors (RICS), and the Chartered Institute of Civil Engineering Surveyors (CICES).

Further Studies

Suitably qualified graduates are eligible to apply for a postgraduate degree at MTU

- Postgraduate Diploma in Construction Project Management
- MSc in Construction Project Management
- MSc (by Research)

Question Time

What is the difference between a professional QS and a building QS?

The professional quantity surveyor represents the client in all aspects of construction from feasibility study to final construction costs. The professional quantity surveyor is normally office based within a consultancy firm although their working hours will invariably involve visiting sites to attend site meetings, and to monitor the progress and financial aspects of their construction projects.

The building quantity surveyor works for the main contractor/builder to control construction costs as they occur on site and normally this quantity surveyor is site based. They also procure various subcontractors to carry out different work packages for the building contract.

How do I become a chartered surveyor?

Eligible graduates may apply to the Society of Chartered Surveyors Ireland (SCSI) for membership and undertake the Assessment of Professional Competence (APC). This is typically over two years and successful completion of this entitles them to full chartered membership of the SCSI.

Can a quantity surveyor work also as a project manager?

The project management role can be undertaken by any of the construction professions, provided they have the necessary management skills and capability.

What type of site visits and field trips occur during the course?

Students are taken on regular site visits to support the in-class learning as well as putting their learning into context.

Contact Information

James Kilduff
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Career Opportunities

It is a challenging and rewarding career and affords the quantity surveyor an opportunity to travel to many parts of the world in his or her role as construction cost advisor/manager.

- Professional quantity surveyor
- Contractor's quantity surveyor
- Estimator



First Year at a Glance

- Construction Industry and Quantity Surveying Procedures: who does what in the development process i.e. identify the types of firms, their roles and responsibilities in the construction industry; interpret client requirements, and the responses of consultants and contractors; outline the principles of measurement and complete measurement of basic construction works
- Quantity Surveying Organisation and Management: organising people to do things in the right place at the right time i.e. identify principles and practices of management in construction; describe the roles and duties of the construction manager at the pre-contact and post-contract stages of a construction project; determine the resources for construction projects
- Building and Environmental Science: how you light, heat and ventilate a building, i.e. principles of heat loss; conventional domestic heating systems; low carbon emitting domestic heating systems; domestic water supply and waste water
- Maths for Technology: maths that you would require for the build industry



Structural Engineering (Honours)

Innealtóireacht Struchtúrtha (Onóracha)

Application: CAO

CAO Code: MT 831

NFQ Level: 8

Award Title: Bachelor of Engineering (Honours) in Structural Engineering

Duration: 4 Years (8 Semesters)

Places: 20

Location: MTU Bishopstown Campus, Cork



Overview

The course is taught primarily through lectures, practicals, and tutorials. A significant emphasis is placed on project and experimental work with site visits and field trips making up an integral part of the coursework. There is a continuing regional, national and international requirement for structural engineers with a knowledge of construction. The work placement in year 4 will familiarise the student with work practices and procedures and provide them with the opportunity to observe the practical application of theoretical knowledge gained on their programme. The placement is supported by a member of academic staff in MTU together with a workplace mentor. The aim of the industrial placement is to introduce the student to structured employment in a relevant work sector and to develop the student's understanding of the organisation, its procedures and technology.

Accreditation

The BEng (Hons) in Structural Engineering is fully accredited by Engineers Ireland at the Bachelor (Honours) Level 8 educational standard. Further learning is required to meet the educational standard for Chartered Engineer. The taught MEng in Structural Engineering and the taught MEng in Civil Engineering (Environment and Energy), available in the Department as one year follow on courses, are fully accredited by Engineers Ireland as meeting the educational standard for Chartered Engineer.

Engineers Ireland represents all engineering disciplines in Ireland and is a member of Federation Europeene d'Associations Nationales d'Ingenieurs (FEANI) through which Irish engineers are recognised in Europe. Engineers Ireland is a signatory to the Washington Accord through which Irish engineers are recognised in USA, UK, Canada, Australia, New Zealand, Hong Kong & South Africa.

Contact Information

Brian O'Rourke
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E: brian.ourourke@mtu.ie

Further Studies

At the end of year 3, subject to a minimum of a H2.2 standard achieved in year 3, students may elect to transfer to one of two integrated MEng (level 9) programmes comprising 2 further years (4 semesters of study):

- MEng in Structural Engineering
- MEng in Civil Engineering (Environment & Energy)

Students may of course choose to remain on the BEng Honours programme and complete their studies to level 8 in the final year of the honours degree programme.

Question Time

What is the difference between Structural Engineering and Civil Engineering?

Civil engineering is the professional engineering discipline which deals with the design, construction and maintenance of the physical infrastructure of the built environment. This includes works such as buildings, roads, bridges, water and wastewater treatment and supply and harbour and coastal engineering works. In addition to the technical skills required for the above work a civil engineer will also have competencies in related fields such as project and asset management & health and safety.

Structural engineering is a specialist discipline within civil engineering which deals with design, construction and maintenance of structures such as buildings, bridges, culverts, towers, masts and foundations. This course provides graduates with the skills to work as a civil engineer, however, an additional emphasis is placed on structural engineering studies thus giving the graduates enhanced skills in this area.

Is there a scholarship available?

Yes, the Arup Scholarship will be awarded to a first year student who registers on the programme and will comprise an award of €2,250 for each of the four years of the BEng (Hons) in Structural Engineering programme. Closing date: 21st March.

Entry 2022

SCORE THE NECESSARY CAO POINTS AND MEET
MINIMUM LEAVING CERTIFICATE REQUIREMENTS
6 SUBJECTS

SUBJECTS 06/H7	SUBJECTS H5	MATHS GRADE	ENGLISH OR IRISH GRADE
4	2	H4 OR (NOTE 1)	06/H7

NOTE 1: The requirement for H4 Maths may be satisfied by H4 in Applied Maths plus H6 in Maths.

NB: Please note the H4 grade in Maths may also be used to satisfy one of the H5 entry requirements.



Career Opportunities

Graduates will be well equipped to find employment opportunities in consulting engineering offices and with building & civil engineering contractors. They may also be employed by state and semi-state bodies, including local authorities and utilities boards.

- Consulting civil & structural engineers
- Civil engineering contractors
- State/semi-state bodies and utility companies
- Local authorities



First Year at a Glance

- Engineering Mechanics: understanding the performance of engineering materials when subject to external loads and forces
- CAD with Design: computer-aided design similar to the Leaving Certificate subject Design and Communication Graphics
- Engineering Physics: introduction to geometric optics, atomic and nuclear physics, electromagnetism, and thermal Physics
- Engineering Chemistry: fundamentals of atomic theory and chemical bonding; inorganic and physical chemistry
- Material Science and Engineering: understanding the nature and properties of engineering materials
- Engineering Mathematics: mathematical topics of direct relevance to professional engineering studies
- Land Surveying: theory and practical application of linear surveying, levelling angle measurement, and the measurement of buildings
- Communication Skills: assists students in the transition to third-level education; team projects, oral & written presentation skills
- Elective module



Sustainable Energy Engineering (Honours)

Innealtóireacht Fuinnimh Inbhuanaithe
(Onóracha)

Application: CAO

CAO Code: MT 837

NFQ Level: 8

Award Title: Bachelor of Engineering (Honours) in Sustainable Energy Engineering

Duration: 4 Years (8 Semesters)

Places: 30

Location: MTU Bishopstown Campus, Cork



Entry 2022			
SCORE THE NECESSARY CAO POINTS AND MEET MINIMUM LEAVING CERTIFICATE REQUIREMENTS 6 SUBJECTS			
SUBJECTS 06/H7	SUBJECTS H5	MATHS GRADE	ENGLISH OR IRISH GRADE
4	2	03/H6	06/H7

Overview

Modules are delivered by staff from many different disciplines, allowing the student to gain understanding of the roles of a range of engineering disciplines involved in the energy and sustainability field. Site visits are organised which have included: wind farms, hydroelectric power stations, and solar installations. Visiting speakers provide industry input to the programme and have included GSK, Phillips 66, OpenHydro, Arup, Kingspan, Stryker, and Abbotts. Most of these companies now employ graduates from the programme.

A major individual research project is undertaken by each student in the final year. In most cases, this project has been brought back from the work placement and has real industry relevance.

There is a mandatory work placement module for a minimum of 10 weeks at the end of the third year, however, in most instances the company will extend this over the summer up to 6 months in total. The student will be placed in an energy related industry, consultancy, government agency (SEAI), or research group. The placement will be assessed by means of presentations, reports and research project development and is supported by a member of academic staff in MTU together with a workplace mentor. There are opportunities for students to spend this period abroad on a European exchange.

Accreditation

The course is professionally accredited by the Energy Institute to undergraduate level, further learning at masters level is required to meet the education standard for Chartered Engineer. The Energy Institute operates under the Engineering Council in the UK.

Further Studies

Honours degree holders who achieve the specified level of academic performance are eligible to apply for a postgraduate course of study, both at MTU and at other third level colleges in Ireland and abroad.

Question Time

How proficient in mathematics should I be?

Mathematics is used in all engineering disciplines and provides the tools for complex problems to be understood and solved. You would need to be comfortable with mathematics.

What kinds of energy systems are available at MTU Bishopstown campus?

- 2.4kW wind turbine
- Wind monitoring masts
- Solar thermal collectors
- Artificial sky unit
- EV charging point
- Zero energy building retrofit
- 4 wheel rolling road and engine test bed
- MTU/UTRC low energy building test bed

Contact Information

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Career Opportunities

Graduates have been employed as process engineers, design engineers and energy analysts. All major industry now requires that its energy use be minimised, and so energy graduates are working in all sectors of industry, including, biopharmaceutical, biomedical devices, energy supply utilities, and manufacturers of energy systems.

- Energy management
- Energy systems design
- Energy project management
- R&D energy engineer
- Process engineer
- Design engineer
- Engineering consultant



First Year at a Glance

- Sustainable Energy: study of energy resources and the necessity for energy sustainable sources
- The Science of Energy: the theory behind energy conversion processes
- Electrical Principles: fundamentals of electrical and electronic circuits
- Computer Control Applications: use of sensors, microprocessors & programming to control processes
- Mathematics: developing mathematical tools which underlie sustainable energy engineering
- Mechanics: basic principles of forces and movements that are fundamental to engineering design
- Engineering Chemistry: applying science of chemistry to engineering principles
- 3D CAD: CAD allows engineers to communicate their ideas graphically
- Sustainable Energy and Climate Change: study of energy







Maritime Studies

Succeeding Together

CAO Code	NFQ Level	Course	Page
MT 765	7	Bachelor of Engineering in Marine Electrotechnology	110
MT 764	7	Bachelor of Engineering in Marine Engineering	111
MT 766	7	Bachelor of Science in Nautical Science	112

Symbol Key:



Work Placement



Progression to the next NFQ level



Garda Vetting



Medical Required



Exit Award

Marine Electrotechnology

Leictriteicneolaíocht Mhuirí

Application: CAO

CAO Code: MT 765

NFQ Level: 7

Award Title: Bachelor of Engineering in Marine Electrotechnology

Duration: 3 years plus approximately 1 year work placement

Places: 20

Location: National Maritime College of Ireland, Ringaskiddy, Co Cork



Entry 2022

SCORE THE NECESSARY CAO POINTS AND MEET
MINIMUM LEAVING CERTIFICATE REQUIREMENTS
5 SUBJECTS

SUBJECTS 06/H7	SUBJECTS H5	MATHS GRADE	ENGLISH OR IRISH GRADE
5	0	06/H7	06/H7

Applicants must pass the approved medical fitness and eyesight tests as specified by the Irish Maritime Administration of the Department of Transport, and are strongly advised to attend a career advisory session. For further information, please visit the Admissions section in this prospectus.

Overview

An Electro-technical officer (ETO) operates, maintains and calibrates all electrical, electronic and ship's equipment. The ETO's role is not restricted to the engine room and they may also work on complex systems located throughout any vessel.

This is an exciting programme to cater for the growing need on board ship for a specialist in electrical/electronic/networking systems.

The course shares its first two semesters with MT 764 BEng in Marine Engineering. Having completed year 1, Marine Electrotechnology students begin specialist electrical and electronic training. As well as lectures, training is provided in a variety of workshops and laboratories. This practical work is given to enhance the students' learning experience. Practical knowledge of fundamental theory is gained in electrical, electronic, communications, and control laboratories. A broad understanding of ships and ships' systems is delivered in electrical workshops and in the College's own engine room.

Students who successfully complete year 1 and 2 are expected to be placed on a commercial ship, for practical training experience, and to gain the necessary 'seatime' for an internationally recognised Certificate of Competency. While at sea they must complete a comprehensive workplace training programme.

It should be noted that while every endeavour will be made to secure a suitable sea training berth, this is outside the control of MTU/NMCI and the College cannot accept responsibility for difficulties in securing such a berth.

Further Studies

There are opportunities for further study in related fields at honours degree level. Graduates will be well placed to pursue further studies in either electrical or electronic engineering.

Question Time

How do I go about getting a training berth while I am in college?

Securing a cadet berth at sea is a competitive process managed by NMCI in collaboration with shipping companies. Students secure a berth based on their performance at NMCI. The number of cadet berths varies each year, depending on shipping company requirements. NMCI has a strong track record in securing cadet berths, however they are not guaranteed.

If I graduate with this level 7 degree, can I further my studies in MTU as an electronic or electrical engineer at level 8?

MTU has a Recognition of Prior Learning System. Applicants may be exempted from modules in courses which are similar.

Contact Information

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For details, see www.nmci.ie



Career Opportunities

Electro-technical officers of a high standard are particularly sought after within the cruise line industry. There are also a number of opportunities ashore in a wide variety of fields including marine electronic maintenance and aviation instrumentation maintenance industries.



First Year at a Glance

The Marine Electrotechnology degree shares all but one of its first year modules with the Marine Engineering degree as graduates will be part of a vessel's engineering department and must understand the basics of marine engineering.

- Shipboard Management for ETOs: covers work-based practices of an ETO and gives an understanding of maintenance systems, legislation, and safe working practices
- Electrical and Electronic Principles: theoretical and practical principles of basic electrical and electronic components and circuits
- Marine Power Systems: ships' power generation and distribution systems, and practical understanding of wiring basic control systems
- Introduction to Marine Engineering: the principles and practical aspects of marine engineering systems found on board ship
- Physics for Marine Engineers: physics principles underlying all engineering
- Practice Mechanics: basic principles of forces and movements that are fundamental to engineering design
- Mechanical Workshop: a practical workshop module which gives a fundamental understanding of materials and the fabrication of designed components
- Technological Mathematics: offers great support to students in the first year of the engineering programme
- Introduction to Thermodynamics: learn how to apply the First Law of Thermodynamics and distinguish between the concepts of heat and temperature



Marine Engineering

Innealtóireacht Mhuirí

Application: CAO

CAO Code: MT 764

NFQ Level: 7

Award Title: Bachelor of Engineering in Marine Engineering

Duration: 3 years plus approximately 1 year work placement

Places: 40

Location: National Maritime College of Ireland, Ringaskiddy, Co Cork



Entry 2022

SCORE THE NECESSARY CAO POINTS AND MEET
MINIMUM LEAVING CERTIFICATE REQUIREMENTS
5 SUBJECTS

SUBJECTS 06/H7	SUBJECTS H5	MATHS GRADE	ENGLISH OR IRISH GRADE
5	0	06/H7	06/H7

Applicants must pass the approved medical fitness and eyesight tests as specified by the Irish Maritime Administration of the Department of Transport, and are strongly advised to attend a career advisory session. For further information, please visit the Admissions section in this prospectus.

Overview

The function of the marine engineer is to operate and maintain the engines, boilers, generators and other systems of ships. Most of the mechanical equipment aboard ship is operated and maintained by marine engineers. This course aims to provide a sound knowledge base of marine engineering.

As well as lectures, training is provided in marine, electrical, welding and mechanical workshops, supplemented with practical work in the College engine room, and simulation exercises in the machinery and cargo handling simulation suites.

Students who successfully complete year 1 and 2 are expected to be placed in a commercial ship, for practical training experience, and to gain the necessary 'seaside' for the Department of Transport Certificate of Competency, in their third year. In addition, while at sea, students must complete a comprehensive workplace training programme including training records, journals and other documents associated with the training programme, as specified from time to time.

It should be noted that while every endeavour will be made to secure a suitable sea training berth, this is outside the control of MTU/NMCI and the College cannot accept responsibility for difficulties in securing such a berth.

Further Studies

There are opportunities for further study in order that cadets will progress from the Officer of the Watch Level on to the Second Engineer Officer Certificate of Competency (CoC), and in due course to the Chief Engineer Officer Certificate of Competency with a combination of sea service, further study, and examinations.

Question Time

How do I go about getting a shipping company to sponsor me while I am in college?

Securing sponsorship is a competitive process managed by NMCI, with shipping companies. The number of sponsorships varies each year, depending on shipping company requirements. NMCI has a strong track record in securing sponsorships, however they are not guaranteed.

Do I have to work for the shipping company once I graduate?

The commitment from the sponsoring company usually ends upon graduation. However, a significant number of graduates go on to work as an officer with their sponsors.

How much sea going experience do I need before I can apply to sit for a Chief Engineer's Certificate of Competency?

The minimum is three years on suitable vessels and voyages.

Contact Information

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For details, see www.nmci.ie



Career Opportunities

Qualified marine engineers are highly sought after both at sea and ashore. At sea they work on all types and sizes of vessels and with seagoing experience, further study and professional exams, advance to second and chief engineer. Shore roles include marine superintendent in shipping companies, engineering surveyor, engineering management roles in the ports sector, the energy sector and in facility engineering for the pharmaceutical industry.



First Year at a Glance

- Introduction to Marine Engineering: the principles and practical aspects of marine engineering systems found on board ship
- Physics for Marine Engineers: giving an enhanced understanding of the physics principles underlying all engineering practice
- Mechanics: basic principles of forces and movements that are fundamental to engineering design
- Mechanical Workshop: a practical workshop module which gives a fundamental understanding of materials and the fabrication of designed components
- Technological Mathematics: offers great support to students in the first year of the engineering programme
- Introduction to Thermodynamics: learn how to apply the First Law of Thermodynamics and distinguish between the concepts of heat and temperature
- Electrical and Electronic Principles: gives students an understanding of the theoretical and practical principles of basic electrical and electronic components and circuits
- Marine Power Systems: this module gives students an understanding of ships' power generation and distribution systems as well as a practical understanding of wiring basic control systems



Nautical Science

Eolaíocht Loingseoireachta

Application: CAO

CAO Code: MT 766

NFQ Level: 7

Award Title: Bachelor of Science in Nautical Science

Duration: 3 and a half years including seetime

Places: 48

Location: National Maritime College of Ireland, Ringaskiddy, Co Cork



Entry 2022

SCORE THE NECESSARY CAO POINTS AND MEET
MINIMUM LEAVING CERTIFICATE REQUIREMENTS
5 SUBJECTS

SUBJECTS 06/H7	SUBJECTS H5	MATHS GRADE	ENGLISH OR IRISH GRADE
5	0	06/H7	06/H7

Applicants must pass the approved medical fitness and eyesight tests as specified by the Irish Maritime Administration of the Department of Transport, and are strongly advised to attend a career advisory session. For further information, please visit the Admissions section in this prospectus.

Overview

Nautical science has three main elements: navigation, cargo operations, and ship handling. In other words, the control of a ship; the safe operation of a ship, including the protection of life and the environment; Shipboard administration, and the handling, loading and care of cargoes which may be as diverse as petroleum products, general cargo, or thousands of new cars or passengers.

This course is designed for those who wish to pursue a career as a deck officer aboard ship. It provides a comprehensive education in navigation and other ship board activities. Students who successfully complete year 1 can expect to be placed on a series of commercial ships in year 2, gaining between twelve and fifteen months seetime for practical training experience, and to gain the necessary 'seetime' for the Department of Transport Certificate of Competency. In addition, students must complete a comprehensive workplace training programme including training records, journals and other documents associated with the training programme, as specified from time to time.

It should be noted that while every endeavour will be made to secure a suitable sea training berth, this is outside the control of MTU/NMCI and the College cannot accept responsibility for difficulties in securing such a berth.

Further Studies

Suitably qualified Nautical Science graduates may continue their studies and obtain the BSc (Honours) Nautical Science degree and Chief Mate professional qualification, as an add-on year.

Question Time

How do I go about getting a training berth to sponsor me while I am in college?

Securing a cadet berth at sea is a competitive process managed by NMCI, with shipping companies. Students secure a berth based on their performance at NMCI. The number of cadet berths varies each year, depending on shipping company requirements. NMCI has a strong track record in securing cadet berths, however they are not guaranteed.

Do I have to work for the sponsoring shipping company once I graduate?

The commitment from the sponsoring company usually ends upon graduation. However, a significant number of graduates go on to work as an officer with their sponsors.

How much sea going experience do I need before I can apply to sit for a Master's Certificate of Competency?

A minimum of 36 months sea service is required to progress to Ship's Captain. With leave and further study requirements, this sea service typically takes six to seven years to complete.

Contact Information

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Career Opportunities

Graduates first become officer of the watch on a vessel after graduating and passing relevant examinations. They can advance to chief mate or ship's captain with further study, examinations, and seetime. Career opportunities exist on a range of different types of ocean going vessels: bulk carriers, oil tankers, container ships, cruise and ferry vessels. There are also careers on specialist vessels, such as seismic and exploration ships, pilot vessels, tugs, and mega yachts.

- Ship's officer (from junior ranks to captain)
- Harbour master/pilot
- Marine surveyor
- Maritime studies lecturer



First Year at a Glance

- Navigation & Meteorology: an introduction to both celestial and terrestrial navigation, together with an understanding of meteorology, as it relates to the seafarer
- General Ship Knowledge: elements of ship construction, stability and cargo operations
- Applied Nautical Science: the application of science and physics as it relates to the marine environment
- Seamanship: the theory and practice of seamanship, having regard to safe working practices
- Introduction to Shipboard Safety: includes short-course elements relating to fire-fighting, sea survival, and first aid training
- Bridge Watchkeeping: an introduction to the theory and practice of keeping a safe navigational watch, having regard to the International Regulations for the Prevention of Collisions at Sea







Biological, Physical, and Pharmaceutical Sciences

CAO Code	NFQ Level	Course	Page
MT 879	8	Bachelor of Science (Honours) in Agri-Biosciences	116
MT 877	8	Bachelor of Science (Honours) in Agricultural Science	117
MT 777	7	Bachelor of Science in Agricultural Science	118
MT 750	7	Bachelor of Science in Agriculture	119
MT 774	7	Bachelor of Science in Analytical and Pharmaceutical Chemistry	120
MT 874	8	Bachelor of Science (Honours) in Analytical Chemistry with Quality Assurance	121
MT 781	7	Bachelor of Science in Animal Bioscience	122
MT 775	7	Applied Biosciences (BSc Award Options)	123
MT 782	7	Bachelor of Science in Applied Physics and Instrumentation	124
MT 680	6	Higher Certificate in Science in Biological and Environmental Studies	125
MT 875	8	Biological Sciences (Honours) (Common Entry) (BSc (Honours) Award Options)	126
MT 871	8	Bachelor of Science (Honours) in Biomedical Science	127
MT 878	8	Bachelor of Science (Honours) in Environmental Science and Sustainable Technology	128
CK 409	8	Bachelor of Science (Honours) in Industrial Physics	129
MT 833	8	Bachelor of Science (Honours) in Instrument Engineering	130
MT 876	8	Bachelor of Science (Honours) in Nutrition and Health Science	131
MT 873	8	Bachelor of Science (Honours) in Pharmaceutical Biotechnology	132
MT 772	7	Bachelor of Science in Pharmaceutical Science (Degree Award Option - Biopharmaceutics)	133
MT 872	8	Bachelor of Science (Honours) in Pharmaceutical Science (Degree Award Option - Biopharmaceutics)	134
MT 682	6	Higher Certificate in Science - Pharmacy Technician	135
MT 870	8	Physical Sciences (Honours) (Common Entry) (BSc (Honours) Award Options)	136
MT 770	7	Physical Sciences (Common Entry) (BSc Award Options)	137
MT 881	8	Bachelor of Science (Honours) in Veterinary Bioscience	138
MT 880	8	Bachelor of Science (Honours) in Wildlife Biology	139

Symbol Key:



Work
Placement



Progression to
the next NFQ level



Garda
Vetting



Medical
Required



Exit
Award

Agri-Biosciences (Honours)

Bitheolaíochtaí Talmhaíochta (Onóracha)

Application: CAO

CAO Code: MT 879

NFQ Level: 8

Award Title: Bachelor of Science (Honours) in Agri-Biosciences

Duration: 4 Years (8 Semesters)

Places: 20

Location: MTU Bishopstown Campus, Cork



Entry 2022

SCORE THE NECESSARY CAO POINTS AND MEET
MINIMUM LEAVING CERTIFICATE REQUIREMENTS
6 SUBJECTS

SUBJECTS 06/H7	SUBJECTS H5	MATHS GRADE	ENGLISH OR IRISH GRADE
4	2	06/H7	06/H7

Overview

The agri-food industry is Ireland's largest homegrown industry, and this biosciences honours degree programme is designed to meet the growing need for scientists who have excellent technical competency and knowledge application in agri-biosciences.

The content is designed in collaboration with industry partners to meet the needs of the ever-evolving agri-food industry. Topics covered are contemporary and relevant both nationally and internationally. The lectures are supplemented with relevant examples, case studies, projects, assignments, site visits, web tools, and interactive media. There is a strong focus in agri-biosciences on practical techniques and approximately 50% of contact time is spent in the laboratory gaining in-depth technical experience.

Year 1 and 2 of the programme provide a strong foundation in biological science modules such as microbiology, biotechnology and biochemistry. Additionally, students engage with agri-specific modules gaining skills and knowledge in agricultural biotechnology, animal and plant physiology, and soil science. Year 3 and 4 of the programme provide further specialisation in the agri-biosciences, with students covering core topics such as agri-food microbiology, animal breeding, food quality, animal immunology and disease, crop biotechnology, bioinformatics and food analysis.

The mandatory work placement in year 3 is an integral and exciting element of the course programme in which the student joins the workforce of a relevant organisation. The students develop first-hand knowledge of organisational structure, modern analytical techniques used in the organisation, expand their knowledge of the agri-food industry, and further develop both professional and personal skills.

Further Studies

This course is an excellent platform for further studies, both in terms of short add-on courses, and more structured postgraduate degrees such as master of science and PhD programmes.

Question Time

How does this course differ from a traditional Agricultural Science course?

The Agri-Biosciences degree programme is specifically tailored to train students in biological tools which can be applied to the agri-food industry to increase production and promote sustainability. Biological applications are central to the future of agri-food through advancements in genomics, crop biotechnology, veterinary diagnostics, animal breeding and animal feed production.

What personal skills are most suited to the course and subsequent careers?

Those pursuing careers in agri-biosciences should be logical, analytically minded, detail oriented, team players, good communicators, motivated, and able to show initiative.

Is the agri-food industry secure?

The agri-food sector is Ireland's largest indigenous industry, providing employment to 8.4% of the working population. In 2016, Irish agri-food and drink exports increased by approximately 2% to €11 billion and gross agricultural output was valued at €7 billion. Further growth opportunities have been identified by the Department of Agriculture, Food and the Marine which aim to position Ireland as a world leader in sustainable agri-food production, through an emphasis on utilising research-led practices and novel biotechnologies.

Contact Information

Dr Craig Murphy
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Career Opportunities

Comprehensive training in biotechnology, microbiology, animal and crop physiology, quality systems and food analysis will allow graduates to gain employment both nationally and internationally, as key players across a variety of sectors within the agri-food industry. Some potential career routes include animal and food production, veterinary diagnostics, food composition analysis, animal feed production, and research and development.

- Research scientist
- Laboratory technician
- Animal feed production
- Diagnostic testing
- Quality control analyst
- Animal and crop breeding
- Research and development



First Year at a Glance

As well as learning the main core science subjects in first year, students will also be exposed to the following

- Cellular systems in animals and plants and their effect on growth and function
- The main components of agri-food products such as meat, milk and vegetables
- The prevalence of biotechnology in the Irish agri-food industry
- Different techniques used to bring agricultural outputs from farm to fork
- Modern laboratory methods used to analyse different cell and food types



Agricultural Science (Honours)

Eolaíocht Talmhaíochta (Onóracha)

Application: CAO

CAO Code: MT 877

NFQ Level: 8

Award Title: Bachelor of Science (Honours) in Agricultural Science

Duration: 4 Years (8 Semesters)

Places: 16

Location: MTU Kerry South Campus and Teagasc Clonakilty Agricultural College



Entry 2022

SCORE THE NECESSARY CAO POINTS AND MEET
MINIMUM LEAVING CERTIFICATE REQUIREMENTS
6 SUBJECTS

SUBJECTS 06/H7	SUBJECTS H5	MATHS GRADE	ENGLISH OR IRISH GRADE
4	2	06/H7	06/H7

Overview

Agricultural science is the application of science and business to the primary production of quality food and ecosystem services. Agriculture is a huge growth industry, both in Ireland and internationally, and remains vital to the country's economic development. Potential candidates interested in pursuing a career in the agri-food industry today, need to apply scientific knowledge to sustainable farm management. This helps to ensure that the range of agricultural activities – environmental awareness, food safety, animal welfare, advancements of Agri-Food technology and contemporary scientific knowledge are considered in the context of sustainable animal and crop production.

As a third-year student, you take part in a structured period of agri-food industry placement. It's while on placement that you really see the value of your academic learning in a real-life working environment. Your placement lays the foundations of your personal career path. It's all about developing skills, gaining knowledge and cultivating the attitude needed to build a rewarding career.

Modules are delivered at the MTU Kerry South Campus, however, semester four is taught in Teagasc Clonakilty Agricultural College, Co. Cork.

First and foremost, agricultural science programmes give your career a sound scientific foundation. Students take modules in a variety of scientific areas, including animal, crop, environmental and food sciences. In the economics and business module, you learn about the relationship between sustainable agriculture and consumers. These programmes give you everything you need to launch an agri-science/agri-business career in Ireland and beyond.

A BSc in Agricultural Science is listed as one of the qualifications which meets the requirements for Stamp Duty Exemption for Transfers of Land to Young Farmers (www.revenue.ie).

Question Time

Would I be qualified to teach Agricultural Science at second level if I do this course?

The modules covered meet the Teaching Council subject requirements to teach Agricultural Science to Leaving Certificate level. Students who opt to take an extra 5 credit module in physics will also meet the Teaching Council subject requirement to teach Science up to Junior Certificate level. Graduates who wish to teach will also be required to complete a two-year Professional Master of Education (PME).

Further Studies

While the majority of students complete their honours degree in MTU there is also an agreed progression route which, on successful completion of year three, provides students the opportunity to apply for entry to year three of one of the following streams on the BSc (Hons) in Agricultural Science in UCD

- Animal and crop production
- Agricultural systems technology
- Food and agribusiness management

Suitably qualified Level 8 Honours graduates are eligible to progress to taught master programmes or to research at either master or PhD level.

- Sustainable Agriculture and Land use with Innovation (Level 9 Postgraduate Diploma, MTU Kerry)

Contact Information

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E: eilish.broderick@mtu.ie



Career Opportunities

- Farm management
- Technical service and consultancy
- Research
- Education
- Marketing and communications
- Primary production of quality food products
- Agribusiness
- Consultancy



First Year at a Glance

- Animal and Plant Biology: introduces basic biological concepts relating to the structure (anatomy) and workings (physiology) of bacteria, animal and plant cells
- Agri-Chemistry: looks at basic chemical principles, concepts and terminology necessary for an understanding of agricultural science
- Scientific Communication and Computer Applications: introduction to the most frequently used computer applications in laboratory analysis and develops skills for interpersonal communication including oral and written presentations
- Essential Scientific Maths: this module will ensure that students will have appropriate numerical, algebraic and graphical skills and are able to apply these skills successfully within their discipline
- Overview of the Agri-Food Industry: a holistic and comprehensive review of the agri-food sector in Ireland
- Crop Science: the fundamentals of agronomy including crop morphology, identification of species and crop physiological requirements
- Physics Concepts: provides knowledge of basic physics principles, concepts, ideas and terminologies and enable the student to apply to various physical phenomena
- Soil Science: introduces the biological, chemical and physical properties of soil



Agricultural Science

Eolaíocht Talmhaíochta

Application: CAO

CAO Code: MT 777

NFQ Level: 7

Award Title: Bachelor of Science in Agricultural Science

Duration: 3 Years (6 Semesters)

Places: 32

Location: MTU Kerry South Campus and Teagasc Clonakilty Agricultural College

Entry 2022

SCORE THE NECESSARY CAO POINTS AND MEET
MINIMUM LEAVING CERTIFICATE REQUIREMENTS
5 SUBJECTS

SUBJECTS 06/H7	SUBJECTS H5	MATHS GRADE	ENGLISH OR IRISH GRADE
5	0	06/H7	06/H7



Overview

Agricultural science is the application of science and business to the primary production of quality food and ecosystem services. Agriculture is a huge growth industry, both in Ireland and internationally, and remains vital to the country's economic development. Potential candidates interested in pursuing a career in the agri-food industry today, need to apply scientific knowledge to sustainable farm management. This helps to ensure that the range of agricultural activities – environmental awareness, food safety, animal welfare, advancements of agri-food technology and contemporary scientific knowledge are considered in the context of sustainable animal and crop production.

As a third-year student, you take part in a structured period of agri-food industry placement. It's while on placement that you really see the value of your academic learning in a real-life working environment. Your placement lays the foundations of your personal career path. It's all about developing skills, gaining knowledge and cultivating the attitude needed to build a rewarding career.

Modules are delivered at the MTU Kerry South Campus, however, semester four is taught in Teagasc Clonakilty Agricultural College, Co. Cork.

First and foremost, agricultural science programmes give your career a sound scientific foundation. Students take modules in a variety of scientific areas, including animal, crop, environmental and food sciences. In the economics and business module, you learn about the relationship between sustainable agriculture and consumers. These programmes give you everything you need to launch an agri-science/agri-business career in Ireland and beyond.

A BSc in Agricultural Science is listed as one of the qualifications which meets the requirements for Stamp Duty Exemption for Transfers of Land to Young Farmers (www.revenue.ie).

Further Studies

Suitably qualified Level 7 graduates are eligible to progress to year 4 (final year)

- Bachelor of Science (Honours) in Agricultural Science

While the majority of students complete their honours degree in MTU there is also an agreed progression route which, on successful completion of year three, provides students the opportunity to apply for entry to year three of one of the following streams on the BSc (Hons) in Agricultural Science in UCD

- Animal and crop production
- Agricultural systems technology
- Food and agribusiness management

Contact Information

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Career Opportunities

- Farm management
- Technical service and consultancy
- Research
- Education
- Marketing and communications
- Primary production of quality food products
- Agribusiness
- Consultancy



First Year at a Glance

- Animal and Plant Biology: introduces basic biological concepts relating to the structure (anatomy) and workings (physiology) of bacteria, animal and plant cells
- Agri-Chemistry: looks at basic chemical principles, concepts and terminology necessary for an understanding of agricultural science
- Scientific Communication and Computer Applications: introduction to the most frequently used computer applications in laboratory analysis and develops skills for interpersonal communication including oral and written presentations
- Essential Scientific Maths: this module will ensure that students will have appropriate numerical, algebraic and graphical skills and are able to apply these skills successfully within their discipline
- Overview of the Agri-Food Industry: a holistic and comprehensive review of the agri-food sector in Ireland
- Crop Science: the fundamentals of agronomy including crop morphology, identification of species and crop physiological requirements
- Physics Concepts: provides knowledge of basic physics principles, concepts, ideas and terminologies and enable the student to apply to various physical phenomena
- Soil Science: introduces the biological, chemical and physical properties of soil.



Agriculture

Talmhaíocht

Application: CAO

CAO Code: MT 750

NFQ Level: 7

Award Title: Bachelor of Science in Agriculture

Duration: 3 Years (6 Semesters)

Places: 40

Location: MTU Bishopstown Campus, Cork and Teagasc Clonakilty Agricultural College



Entry 2022

SCORE THE NECESSARY CAO POINTS AND MEET
MINIMUM LEAVING CERTIFICATE REQUIREMENTS
5 SUBJECTS

SUBJECTS 06/H7	SUBJECTS H5	MATHS GRADE	ENGLISH OR IRISH GRADE
5	0	06/H7	06/H7

Overview

Agriculture is of major importance in the Irish economy. The agri-business sector has been identified as a major sector for growth in the coming years across a range of associated industries.

The students attend both MTU and Teagasc Clonakilty Agricultural College throughout the course.

- In year 1, students typically spend two days a week in Teagasc Clonakilty Agricultural College and three days in MTU Bishopstown Campus.
- In year 2, students typically spend two days a week in Teagasc Clonakilty Agricultural College and three days in MTU Bishopstown Campus.
- In year 3, students typically spend five days a week in MTU Bishopstown Campus.

Students are required to complete a minimum of 15 weeks work placement in year 2 in an agriculture related business. It will involve a set of agreed objectives for your placement, as well as the assistance of a person on site and a member of the academic staff at Teagasc Clonakilty Agricultural College or MTU.

Students can choose to travel on work placement to international destinations such as New Zealand, Australia, USA, or UK. It is a fantastic opportunity for students to travel and learn simultaneously. Placement can also be organised in Ireland.

Further Studies

Suitably qualified graduates (minimum overall grade of 40% in year 3 of the programme) are eligible to apply for entry to the one year add-on

- Bachelor of Science (Honours) in Agriculture

Graduates of the programme can also pursue specialisations in agriculture with other Higher Education Institutes in Ireland and overseas.

Question Time

What level of business is involved in the course?

The programme is taught using one third business modules and two thirds agriculture or science related modules.

Do I have to be a farmer to study agriculture?

No. The course has access to the farm resources at Teagasc Clonakilty Agricultural College necessary to complete the programme.

What are my other career prospects if I don't want to go into farming?

Graduates can progress to complete the one year add-on BSc (Honours) in Agriculture or pursue employment opportunities with agricultural related business, e.g. sales representative, quality control and production manager.

Are there travel opportunities?

Each year, students undertake placement opportunities overseas, e.g. with large dairy farms in New Zealand.

Are there any further requirements?

Yes, students will be required to hold a provisional driving licence and to purchase health and safety equipment such as hi-visibility jackets and safety boots. Further details will be given at induction.

Contact Information

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Teagasc Clonakilty Agricultural College
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Career Opportunities

The course develops farming, business and management skills to enable graduates to follow careers as successful commercial farmers or in the agri-business sector. It will provide graduates with the skills they will need to be able to participate actively in policy decisions – whether they are local, regional or international – which will influence their profession and its role in a modern economy.

- Farm manager
- Agricultural consultant
- Sales representative
- Retail management



First Year at a Glance

- Crop Production: using land for maximum benefit while growing crops
- Human/Animal & Plant Biology
- Components of food and their role in human and animal nutrition
- Maintenance and operation of farm machinery including tractors, crop sowing and harvesting
- Finance for the agribusiness sector
- Basic mathematics to assist with decision making in an agricultural enterprise
- Workshops in animal management including experience with dairy, sheep and beef herds
- Information Technology (IT) Skills
- Soil Science: understanding the properties of soil and their impact on crop and animal production
- Site visits e.g. National Ploughing Championships, and Moorepark Animal & Grassland Research and Innovation Centre



Analytical & Pharmaceutical Chemistry

Ceimic Anailíseach agus Cógaisíochta

Application: CAO

CAO Code: MT 774

NFQ Level: 7

Award Title: Bachelor of Science in Analytical & Pharmaceutical Chemistry

Duration: 3 Years (6 Semesters)

Places: 20

Location: MTU Bishopstown Campus, Cork

Entry 2022

SCORE THE NECESSARY CAO POINTS AND MEET
MINIMUM LEAVING CERTIFICATE REQUIREMENTS
5 SUBJECTS

SUBJECTS 06/H7	SUBJECTS H5	MATHS GRADE	ENGLISH OR IRISH GRADE
5	0	06/H7	06/H7



Overview

Analytical chemistry deals with the great variety of methods used to identify and quantify the chemical components of materials, while pharmaceutical chemistry focuses on aspects of drug design, synthesis, and manufacture.

Courses in chemistry at MTU have provided many of the highly skilled personnel at various levels required by the industry. School leavers are offered a flexible and attractive route through an extremely diverse science. The BSc in Analytical and Pharmaceutical Chemistry prepares students for laboratory-based careers; activities include preparation of chemicals and samples for use, analysis of raw materials and products of chemical processes, set-up/maintenance/use of chemical instrumentation. Computerised instruments and information technology are important in this work, and graduates may work in quality assurance, analysis, research, development, and production in a wide range of industrial sectors such as biopharmaceuticals, food and beverage, environmental analysis, etc.

The course aims to give students the knowledge and skills to practice chemistry in the laboratory environment.

Further Studies

Graduates who have attained a minimum final average mark of 50% may proceed to year 4 (final year) of the Bachelor of Science (Honours) in Analytical Chemistry with Quality Assurance (ACQUA)

This in turn may lead to the option to proceed to postgraduate studies (MSc or PhD) in Chemistry at MTU or other universities in Ireland or abroad.

After obtaining the BSc (Honours) in Analytical Chemistry with Quality Assurance, graduates may apply for a 2 year, full time, Professional Master of Education (120 ECTS credits). On completion, graduates are eligible for registration with the Teaching Council.

Question Time

I didn't study Chemistry for the Leaving Certificate, am I at a disadvantage?

No – the fundamentals of biology, chemistry, and physics are delivered during the first semester, with chemistry being further developed as the course progresses.

What is the difference between MT 874 and MT 774?

Students commencing on the MT 774 route will have completed the ordinary BSc Degree in 3 years, while those starting on MT 874 will take 4 years to complete the Honours BSc Degree, with significant additional material being delivered in the fourth year to achieve the higher level award.

What personal skills are most suited to the course and subsequent careers?

Numeracy, accuracy, precision; good practical and manipulative skills; an analytical approach to problem solving, i.e. the ability to relate a numerical answer to the physical reality that it represents.

Is it possible to obtain a Higher Certificate award after two years?

Yes. Students who successfully complete year 2 of this programme and do not wish to progress to Year 3 will receive the Higher Certificate in Science in Chemistry.

Contact Information

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Career Opportunities

Career opportunities exist not only in the BioPharmaChem industry, but also in such diverse areas as environmental analysis, elemental analysis (metallurgy), and food/beverage processing, forensic analysis, contaminant analysis (e.g. in sports), etc. Graduates have become senior technicians, analysts, laboratory managers, and quality control supervisors. Some have progressed into company management positions over the years, and some have started and managed their own companies.

- Chemical laboratory technician
- Laboratory quality assurance
- Product development
- Pharmaceutical production



First Year at a Glance

- Chemical Principles: study of general chemical Interactions
- Physics: study of fundamental basis of energy, light and heat
- Laboratory Skills: understanding the basis for good laboratory practice in a chemistry laboratory
- Biology: study of fundamental building blocks of life
- Mathematics: students use maths to problem solve
- Creativity, Innovation and Teamwork: Team building, independent working and communication skills development



Analytical Chemistry with Quality Assurance (Honours)

Ceimic Anailíseach le Dearbhú Cáilíochta (Onóracha)

Application: CAO

CAO Code: MT 874

NFQ Level: 8

Award Title: Bachelor of Science (Honours) in Analytical Chemistry with Quality Assurance

Duration: 4 Years (8 Semesters)

Places: 20

Location: MTU Bishopstown Campus, Cork



Entry 2022

SCORE THE NECESSARY CAO POINTS AND MEET
MINIMUM LEAVING CERTIFICATE REQUIREMENTS
6 SUBJECTS

SUBJECTS 06/H7	SUBJECTS H5	MATHS GRADE	ENGLISH OR IRISH GRADE
4	2	06/H7	06/H7

Overview

Chemists analyse and understand everyday materials to determine efficient and safe ways of transforming them into useful products, develop new products and materials, and monitor production processes to ensure the quality of finished products.

Analytical Chemistry is the speciality dealing with devising, selecting, and using methods for determining the identity and quantity of chemical composition of samples such as drugs, medicines, food and beverage, water, air etc. These have key components that are present at very low levels or concentrations, and many sophisticated techniques have been developed for their detection and analysis.

The BSc (Honours) in Analytical Chemistry with Quality Assurance (ACQUA) prepares students for careers in the biopharmaceutical industries and other areas such as environmental monitoring, food/beverage, oil and gas analysis, forensics, etc. Graduates identify and solve analytical problems by the selection and use of a wide range of methods and techniques – from the mainstream areas of spectroscopy, chromatography, and electrochemistry, to more specialised areas such as particle size analysis or immunoassay techniques.

This honours degree also focuses on quality assurance, which is of vital importance to the biopharmaceutical, chemical and allied industries. The course is examined using a combination of continuous assessment of both theory and practical work, and end of year examinations.

This honours degree is recognised by the Institute of Chemistry of Ireland for membership (MICI); graduates are also eligible to apply for Associate Membership of the Royal Society of Chemistry (AMRSC).

Further Studies

Graduates may apply for a 2 year, full time, Professional Master of Education (120 ECTS credits). On completion, graduates are eligible for registration with the Teaching Council.

Suitably qualified graduates can continue to postgraduate research study with a number of MTU research groups associated in areas such as Mass Spectrometry Analysis, Chemical Analysis (www.cappa.ie/), or progress to research centres elsewhere.

Question Time

If I didn't study Chemistry for the Leaving Certificate, am I at a disadvantage?

No – the fundamentals of biology, chemistry, and physics are delivered during the first semester, with chemistry being further developed as the course progresses.

What is the difference between MT 874 and MT 774?

Students commencing on the MT 774 route will have completed the ordinary BSc Degree in 3 years, while those starting on MT 874 will take 4 years to complete the Honours BSc Degree, with significant additional material being delivered in the fourth year to achieve the higher level award.

What personal skills are most suited to the course and subsequent careers?

Numeracy, accuracy, precision; good practical and manipulative skills; an analytical approach to problem solving, i.e. the ability to relate a numerical answer to the physical reality that it represents. Good communication skills are also important. Graduates of this programme typically are employed as part of a team in global BioPharmaChem companies and must work effectively with colleagues from a wide range of disciplines.

Contact Information

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Career Opportunities

Graduates are prepared for laboratory careers in the BioPharmaChem industries and other industries. They are qualified in areas such as quality standards, good manufacturing practice, total quality management, and regulatory compliance. They may take up leadership roles in areas such as method design and implementation, process validation, and management of quality systems. Graduates of this programme continue to find employment in a range of high demand rewarding roles, primarily in the regional advanced manufacturing sectors, in particular biopharma and chemical industries. Roles include:

- BioPharma laboratory analyst
- Quality management and regulatory compliance
- Pharmaceutical and chemical research
- Chemistry teaching
- Environmental testing & analysis



First Year at a Glance

- Chemical Principles: study of general chemical interactions
- Physics: study of fundamental basis of energy, light and heat
- Laboratory Skills: understanding the basis for good laboratory practice in a chemistry laboratory
- Biology: study of fundamental building blocks of life
- Mathematics: students use maths to problem solve
- Creativity, Innovation and Teamwork: Team building, independent working and communication skills development



Animal Bioscience

Bitheolaíocht Ainmhithe

Application: CAO

CAO Code: MT 781

NFQ Level: 7

Award Title: Bachelor of Science in Animal Bioscience

Duration: 3 Years

Places: 32

Location: MTU Kerry South Campus



Entry 2022

SCORE THE NECESSARY CAO POINTS AND MEET
MINIMUM LEAVING CERTIFICATE REQUIREMENTS
5 SUBJECTS

SUBJECTS 06/H7	SUBJECTS H5	MATHS GRADE	ENGLISH OR IRISH GRADE
5	0	06/H7	06/H7

NOTE: The study of animal bioscience necessitates using animal-derived material in some classes. Any animal tissue used in classes is ethically sourced in full compliance with the University's requirements. Individuals who object unreservedly to the use of animal material in teaching should not enter the animal bioscience programme.

Overview

Our biological science degree in Animal Bioscience has a major focus on animal health, disease and diagnostics. The animal biosciences discipline is experiencing significant growth, both nationally and internationally, due to an increased demand for diagnostics to underpin animal health and disease management globally.

This research-led curriculum will provide you with an excellent understanding of the key elements of biology, health and disease in both production animals (cattle, sheep, pigs and poultry) and companion animals (dogs, cats and horses), and the tools to provide diagnostics strategies for the prevention, recognition and control of animal diseases. This degree is delivered by leading life-scientists and veterinarians, who will guide you through your learning, from developing a practical understanding of animals and how they function, to veterinary pharmaceutical, advanced laboratory diagnostic and research skills in animal health.

Delivery of the programme's emphasis on animal health and veterinary diagnostics is supported by practical, hands-on experience and interaction with animals throughout and a dedicated work placement programme in year three.

Government departments and private laboratories require veterinary scientists to develop and operate laboratory diagnostics. Biopharmaceutical companies require such graduates to research and develop new biologicals to prevent and treat disease. The food industry requires veterinary scientists to safeguard the safety of food and the welfare of animals. Farmers, feed production operators and reproductive specialists require our graduates for herd health programmes, nutrition experts and reproductive analysis, respectively.

Further Studies

Suitably qualified Level 7 graduates are eligible to progress to Year 4 (final)

- Bachelor of Science (Honours) in Veterinary Bioscience.

Contact Information

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Career Opportunities

- Animal health researcher
- Herd health advisor
- Public (civil) servant
- Animal nutritionist
- Pharmaceutical drug and vaccine developer
- Clinical practice manager
- Animal diagnostic laboratory officer



First Year at a Glance

In your first year, you'll study topics that are fundamental to animal biosciences:

- **Animal and Plant Biology:** basic biological concepts, processes, systems and structures
- **Animal Behaviour and Welfare:** Practical knowledge of normal patterns of behaviour as well as developing concepts and theories relating to animal welfare, veterinary ethics and applied welfare issues in common farm and companion animal species
- **Animal Production Systems:** principles of the major systems of animal production. The practical element of the module teaches skills to approach, handle, restrain and conduct a health check on animals
- **Veterinary Anatomy:** two modules will develop a detailed understanding of the anatomy of animals, relating anatomical structures to clinical and biological problems
- **Chemistry:** chemical concepts and terminology essential for building a sound foundation for understanding and learning chemistry
- **Essential Scientific Maths:** Ensures that students will have appropriate numerical, algebraic and graphical skills and be able to apply these skills successfully
- **Physics Concepts:** provides knowledge of basic physics principles, concepts, ideas and terminologies and enable the student to apply to various physical phenomena
- **Mathematics and Statistics for Science:** provides students with a knowledge of mathematics and statistics to describe and analyse scientific data.



Applied Biosciences

Bitheolaíochtaí Feidhmeacha

Application: CAO

CAO Code: MT 775

NFQ Level: 7

Award Title: Depends on specialisation. Choose from

- Bachelor of Science in Food & Health Science
- Bachelor of Science in Applied Biosciences & Biotechnology

Duration: 3 Years (6 Semesters)

Places: 40

Location: MTU Bishopstown Campus, Cork

Entry 2022	SCORE THE NECESSARY CAO POINTS AND MEET MINIMUM LEAVING CERTIFICATE REQUIREMENTS 5 SUBJECTS			
	SUBJECTS 06/H7	SUBJECTS H5	MATHS GRADE	ENGLISH OR IRISH GRADE
	5	0	06/H7	06/H7



Overview

In MT 775 Applied Biosciences, years 1 and 2 are common. Students will not be required to choose their preferred qualification (Food & Health Science or Applied Biosciences and Biotechnology) until the beginning of year 3.

Knowledge of environmental science, analytical techniques, quality management and bioprocessing are seen as key requirements and these disciplines are studied in detail. Laboratory work forms a substantial part of the course. The development of high-level laboratory skills and the ability to use them in the service of advanced industrial biology are key aims of the course. Opportunities currently exist for a number of students on courses to participate in EU funded exchange programmes involving colleges and enterprises in Europe.

The Bachelor of Science in Applied Biosciences and Biotechnology meets the demands of biotechnology, food and pharmaceutical industries for technologists and analysts. In addition, the requirements of the services and research laboratories for staff trained in biologically based analytical techniques are met by graduates of the course.

The Bachelor of Science in Food & Health Science meets the changing needs of the Food, Pharmaceutical and Biotechnology industries for technicians and analysts. Graduates are in great demand from multinational pharmaceutical companies, as well as the traditional employers in the food and drink sectors.

Advanced manufacturing in the food, healthcare, cosmetic, pharmaceutical and chemical industries have been employment destinations for graduates of this course as well as state and local authority laboratories.

Further Studies

Suitably qualified graduates of the BSc in Food & Health Science may apply for entry to year 4 (final year)

- Bachelor of Science (Honours) in Nutrition & Health Science

Suitably qualified graduates of the BSc in Applied Biosciences & Biotechnology may apply for entry to year 4 (final year)

- Bachelor of Science (Honours) in Pharmaceutical Biotechnology

Question Time

Do I need to have Chemistry and Physics at Leaving Certificate level coming into the course?

No, the Chemistry and Physics modules taught in first year are designed for students who enter the programme without prior knowledge of these subjects. In addition, the MTU Academic Learning Centre at the Bishopstown Campus provides additional free tutorial support for both these modules.

What personal skills are most suited to the course and subsequent careers?

The best students and professional biotechnologists all possess a keen interest in biology and a desire to understand how complex biological processes work.

Contact Information

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Career Opportunities

Graduates from this course have traditionally gained employment in the pharmaceutical, and food and healthcare industries, where graduates function in a variety of roles including; quality analysts, microbiologists, purification specialists, researchers and technicians. Graduates also have the option to progress to further academic studies at Level 8 at MTU.

- Pharmaceutical industry
- Food and healthcare industries



First Year at a Glance

As well as learning the main core science subjects in first year, students will also be exposed to modules in Biotechnology, and Food and Healthcare. The student will have the opportunity to study the different aspects of the following areas:

- Biotechnology: the application of biological systems to produce useful products
- Food Science: the science relating to the production of high quality, safe and nutritious food

There is a very significant emphasis placed on the practical laboratory aspect of the modules studied in first year, where the students are expected to perform experimental investigations under supervision, collate data, interpret results, and write scientific reports.



Applied Physics & Instrumentation

Fisic Fheidhmeach agus Ionstraimíocht

Application: CAO

CAO Code: MT 782

NFQ Level: 7

Award Title: Bachelor of Science in Applied Physics & Instrumentation

Duration: 3 Years (6 Semesters)

Places: 20

Location: MTU Bishopstown Campus, Cork



Entry 2022	SCORE THE NECESSARY CAO POINTS AND MEET MINIMUM LEAVING CERTIFICATE REQUIREMENTS 5 SUBJECTS			
	SUBJECTS 06/H7	SUBJECTS H5	MATHS GRADE	ENGLISH OR IRISH GRADE
	5	0	06/H7	06/H7

Overview

The BSc in Applied Physics & Instrumentation is a long established course and highly sought-after graduates can be found in essentially all of the region's advanced manufacturing and analysis sectors, but especially in the BioPharmaChem sector. The aim of this course is to prepare graduates for a range of technical positions within the multidisciplinary field of applied physics and instrumentation. Whilst there is particular emphasis on employment within process industries, such as chemical, pharmaceutical, biotechnology, food, beverage and water, graduates are well equipped for employment in other sectors such as computers, medical devices and microelectronics, as well as in hospitals and in research and development.

The course is examined using a combination of continuous assessment of both theory and practical work, and end of year examinations. In year 3, students are placed in an applied physics and/or instrumentation role within an industry, organisation or research group. It may be possible for the placement to be in an international location. Students will acquire comprehensive knowledge of process control, quality and safety systems in the context of the operations of process industries and the nature of their products. They will also be able to diagnose problems and implement solutions for a wide range of instrumentation systems used to measure and control technical processes.

Accreditation

This degree is recognised by the Institute of Physics. Graduates of recognised degrees qualify for associate membership upon graduation and may apply for full membership after appropriate work experience. The Institute of Physics provides routes for suitably qualified and experienced members to become chartered physicists and chartered engineers. Further details can be found on the Institute of Physics website.

Further Studies

Suitably qualified graduates are eligible to apply for entry to year 4 (final year)

- Bachelor of Science (Honours) in Instrument Engineering or the one year add-on
- Bachelor of Science (Honours) in Applied Physics and Instrumentation

After obtaining the BSc (Honours) in Applied Physics & Instrumentation, graduates may apply for a 2 year, full time, Professional Master of Education (120 ECTS credits). On completion, graduates are eligible for registration with the Teaching Council.

Question Time

How helpful is it to have physics at Leaving Certificate level?

Whilst physics at Leaving Certificate level is helpful, it is not essential as the key content in physics is covered in year 1 of the course.

What personal skills are most suited to the course and subsequent careers?

Ability to communicate with scientists, engineers and production teams.

What should my interests be?

How things work, problem-solving and meeting technical challenges.

Where am I likely to work?

There are excellent employment opportunities locally, nationally and internationally for graduates in Applied Physics and Instrumentation. Whilst many of these opportunities are in pharma, biotech and other process industries, graduates have found employment in other manufacturing sectors such as IT, medical devices and microelectronics, as well as in hospitals, and in research and development.

Contact Information

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Career Opportunities

Whilst many of the graduates of this course progress to an honours degree, there are many immediate employment opportunities locally, nationally and internationally. Graduates typically work as junior instrument, control or automation engineers, metrology specialists, calibration specialists and research and development technologists.

- Scientific instrument calibration
- Instrument/automation/control engineering
- Research and development
- Metrology



First Year at a Glance

- Mathematics: developing the tools for instrument calibration and automation
- Chemical Principles: physical sciences to the fundamentals of atomic theory, chemical bonding, the periodic table, physical states of matter, and stoichiometric calculations
- Fundamental Physics: an introductory course comprising foundation physics topics relevant to all fields of Science
- Sensors and Systems: the components of measurement systems using a variety of sensors
- Measurement and Calibration of sensors used for industry
- Creativity, Innovation and Teamwork: Team building, independent working and communication skills development



Biological and Environmental Studies

Staidéar Bitheolaíoch agus Comhshaoil

Application: CAO

CAO Code: MT 680

NFQ Level: 6

Award Title: Higher Certificate in Science in Biological and Environmental Studies

Duration: 2 Years (4 Semesters)

Places: 16

Location: MTU Kerry South Campus



Overview

This 2-year course provides a basis in the biological sciences (biology and chemistry) along with introductory ecology, environmental and earth science. It provides a foundation for continuation to level 7 and 8 qualifications in this area, (especially MT 880 Wildlife Biology) and can be used to enter the workforce directly.

The course involves a mix of theory, laboratory practice and field activity. Each week includes a full day of field work, at different locations in wildlife-rich Co. Kerry and beyond. In first year, a foundation in biology, chemistry and numeracy is provided, and this is built on in second year with modules in botany, ecology, zoology and microbiology. Practical modules in outdoor skills and Geographical Information System are also taken. The course provides insight into the kingdoms of life, giving a strong base on which to build deeper, more focused wildlife study.

This programme is unique to the MTU Kerry Campus and attracts students from across Ireland and beyond. Kerry's stunning and diverse natural landscape is an ideal location for the programme. The course provides a highly marketable blend of biological and environmental studies skills, both in field and laboratory. Field sites include a variety of wildlife habitats and special areas of conservation, as well as environmental management facilities like water treatment, waste water treatment facilities, and wind farms.

Further Studies

Suitably qualified Level 6 graduates are eligible to progress to year 3 of the Level 8 programme

- Bachelor of Science (Honours) in Wildlife Biology

Contact Information

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Entry 2022

SCORE THE NECESSARY CAO POINTS AND MEET
MINIMUM LEAVING CERTIFICATE REQUIREMENTS
5 SUBJECTS

SUBJECTS 06/H7	SUBJECTS H5	MATHS GRADE	ENGLISH OR IRISH GRADE
5	0	06/H7	06/H7



Career Opportunities

In addition to the generic transferable skills obtained, graduates gain training suitable for employment with environmental non-Governmental Organisations (NGOs), education/eco-tourism providers, wildlife rescue, and as research assistants and support staff on conservation projects.



First Year at a Glance

- **Biology:** an overview of the kingdom of life and the processes that makes living things work
- **Chemistry:** a thorough introduction to the elements, molecules and reactions that affect life, both within organisms and in the environment
- **Scientific Communication and Computer Applications:** develops skills for interpersonal and scientific communication
- **Irish Wildlife:** overview of the fauna of Ireland with reference to life histories, habitat and conservation status
- **Outdoor Skills:** foundation levels of personal skills and competencies in a range of outdoor environments
- **Physics Concepts:** an introduction to physics as a basis for understanding mechanics and energy in the living world
- **Introduction to Environmental Science** - global environmental challenges, environmental degradation and effects on human health
- **Field Biology and Earth Science:** practical field biology and introductory geology and physical geography
- **Mathematics and Statistics for Science:** basic mathematical methods and introductory statistics to describe and analyse data.

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www.mtu.ie/MT680

Biological Sciences (Honours) (Common Entry)

Eolaíochtaí Bitheolaíochta (Onóracha) (Iontráil Chomónta)

Application: CAO

CAO Code: MT 875

NFQ Level: 8

Award Title: Depends on specialisation. Choose from

- Bachelor of Science (Honours) in Agri-Biosciences
- Bachelor of Science (Honours) in Pharmaceutical Biotechnology
- Bachelor of Science (Honours) in Nutrition and Health Science

Duration: 4 Years (8 Semesters)

Places: 40

Location: MTU Bishopstown Campus, Cork

Entry 2022

SCORE THE NECESSARY CAO POINTS AND MEET
MINIMUM LEAVING CERTIFICATE REQUIREMENTS
6 SUBJECTS

SUBJECTS 06/H7	SUBJECTS H5	MATHS GRADE	ENGLISH OR IRISH GRADE
4	2	06/H7	06/H7



Overview

The common biological science honours entry scheme is a two year programme designed for students interested in biological sciences as a career, but who may be unsure of which discipline to follow.

The scheme gives students the opportunity to see the three disciplines, first hand, through the various modules on offer, interaction with lecturers, and industrial site visits. This allows the student to make an informed decision on their discipline of study.

On successful completion of year 2, students can enter the third year of any of the following honours biological science degrees

- MT 873 BSc (Honours) in Pharmaceutical Biotechnology
- MT 876 BSc (Honours) in Nutrition and Health Science
- MT 879 BSc (Honours) in Agri-Biosciences

Pharmaceutical Biotechnology Graduates will be able to grow and engineer biological cells in order to make safe and effective medicines using the most up-to-date information and technologies available.

Nutrition and Health Science Graduates will be able to apply their understanding of human nutrition and its role in health and disease to various sectors of the food and health industry, and identify and address nutrition-related problems in individuals and populations.

Agri-Biosciences Graduates will be able to apply knowledge of the role of biotechnology in agri-food and animal sciences to support and develop technologies (e.g. health, reproduction and diagnostics) for the improvement of global agri-food production systems.

Question Time

Am I guaranteed my choice of study at the end of year 2?

Yes. Successful completion of the common entry biological sciences programme ensures guaranteed entry to year 3 of the BSc (Honours) programme of choice from the list given.

Do I need to have studied chemistry at Leaving Certificate to apply for this course?

No. Students study Biological Chemistry 1 and Biological Chemistry 2 modules in first year; these modules are designed for students who do not have chemistry as a Leaving Certificate subject.

In addition, the MTU Academic Learning Centre on the Bishopstown Campus provides free tutorial support for first year Chemistry modules.

Will I have work placement?

Students will undertake a mandatory work placement in year 3 for a duration of either 6 months (Agri-Biosciences) or 16 weeks (Nutrition and Health Science/ Pharmaceutical Biotechnology)

Contact Information

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Career Opportunities

Agri-Biosciences: research scientist; laboratory technician; animal feed production; diagnostic testing; quality control analyst; animal and crop breeding; research and development.

Nutrition and Health Science: research scientist in food and related healthcare industries; new product development, production and marketing in food and related healthcare industries; food safety and food regulation in food industry and governmental agencies; nutrition communication in food information organisations; quality assurance.

Pharmaceutical Biotechnology: quality control analyst; microbiologist; bio-assay specialist; technical/process specialist; research and development.



First Year at a Glance

As well as learning the main core science subjects in first year, students will be exposed to the following

- Evaluating the role of food in health, wellness, and nutrition space
- Making biological medicines: learn the basics of how cells can be used to make modern medicines
- Understanding the role of microbiology, physiology and biotechnology in the agri-food sector
- Perform experimental laboratory procedures



Biomedical Science (Honours)

Eolaíocht Bhithleighis (Onóracha)

Application: CAO

CAO Code: MT 871

NFQ Level: 8

Award Title: Bachelor of Science (Honours) in Biomedical Science

Duration: 4 Years (8 Semesters)

Places: 30

Location: MTU Bishopstown Campus, Cork, and University College Cork.



Overview

This honours degree course is offered jointly by MTU and UCC.

Biomedical science is the term for the investigations carried out by medical scientists on samples of tissue and body fluids to diagnose disease and monitor the treatment of patients.

Medical scientists work in partnership with doctors and other healthcare professionals to perform many different roles in medical laboratories. Biomedical science is a continually changing dynamic profession and involves study of the diverse areas of medical science including biochemistry, microbiology, cellular pathology, haematology and transfusion science. It provides training in state-of-the-art technologies to facilitate investigation of disease and medical research.

Work Placement

Work placement is not an integral part of this four year degree programme. Upon completion of the BSc (Hons) programme the graduates may progress to the Diploma in Clinical Laboratory Practice. This diploma is optional and takes one academic year to complete. It is important to note that both the BSc (Honours) in Biomedical Science and the Diploma in Clinical Laboratory Practice are together required to practice as a medical scientist in Ireland.

Accreditation

The BSc (Honours) in Biomedical Science together with the Diploma in Clinical Laboratory Practice are fully accredited by the Academy of Clinical Science and Laboratory Medicine, and by the Institute of Biomedical Sciences.

Further Studies

Suitably qualified graduates are eligible to apply for a postgraduate degree at MTU

- MSc (by Research)
- PhD

Question Time

Are there any specific requirements for students of this programme?

Students on this BSc (Hons) programme must obtain a course of occupational vaccinations for their safety. These will be coordinated and administered through the MTU Medical Centre, Bishopstown Campus, but will be at a financial cost to the student.

The current vaccination requirements are Hepatitis B (year 1) and both Hepatitis A and REVAXIS in year 2. The approximate combined cost for these vaccinations in the academic year 2020-2021 was €150. The vaccine requirements and costs are reviewed each year and may be subject to change.

Is it an advantage to have chemistry and physics coming into the course?

It is always an advantage to have chemistry and physics coming into a course such as Biomedical Science. However, it is feasible to take up one or both of these subjects on entry to the course, and the first year programme is tailored to support students who enter the programme without prior knowledge of these subjects.

What kind of person should you be?

Applicants to the programme should have a keen interest in science, laboratory medicine, and health. This profession requires scientists that are mindful of their responsibility when dealing with human health. Confidentiality is of paramount importance as information concerning patients cannot be divulged for ethical reasons other than in the course of their work.

What is the time divide between MTU and UCC?

The programme for the BSc (Honours) in Biomedical Science is taught equally by MTU and UCC, so this means that the students will expect to spend some days in one institution or the other. The timetable is arranged to minimise travel between the two universities.

Contact Information

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Entry 2022

SCORE THE NECESSARY CAO POINTS AND MEET
MINIMUM LEAVING CERTIFICATE REQUIREMENTS
6 SUBJECTS

SUBJECTS 06/H7	SUBJECTS H5	MATHS GRADE	ENGLISH & IRISH GRADE	SCIENCE GRADE
4	2	06/H7	06/H7 (NOTE 2)	H4 (NOTE 1)

NOTE 1: A H4 must be obtained in a Laboratory Science Subject (from Chemistry, Physics, Biology, or Physics & Chemistry (joint)).

NB: Agricultural Science is accepted as a subject and attracts CAO points, but does not meet the requirement for the Laboratory Science subject.

NOTE 2: Irish is a requirement for this programme unless the applicant is exempt from Irish.

NB: Please note the H4 grade in a relevant science subject can also be used to satisfy one of the H5 entry requirements.

NB: There is no advanced entry to the BSc (Honours) in Biomedical Science programme.



Career Opportunities

Biomedical science prepares the student for a career in laboratory medicine and related areas in the health-care industry and biopharmaceutical industry. Biomedical science graduates work as medical scientists in hospitals, and in research, the biopharmaceutical and biotechnology industries, public health and sales and marketing of medical products.

- Medical scientist in Irish Hospitals (BSc (Hons) and Diploma required)
- Biopharmaceutical & biotechnology industries (BSc (Hons) only required)
- Public health (BSc (Hons) only required)
- Sales & marketing of medical products (BSc (Hons) only required)



First Year at a Glance

As well as learning the main core science subjects in first year, students will also be exposed to the following disciplines

- Clinical Biochemistry: study of the chemical profiles of body fluids in normal and diseased states
- Haematology: study of blood cells in the normal and diseased individual
- Histology/Histopathology: study of cells and cellular arrangement in normal and cancerous tissue
- Diagnostic Microbiology: study of microorganisms encountered in infectious diseases
- Transfusion Science: the science relating to transfusing fluid (i.e. blood) into a vein or artery
- Health Science: introduction to a selection of "hot topics" relating to health

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www.mtu.ie/MT871

Environmental Science & Sustainable Technology (Honours)

Eolaíocht Chomhshaoil agus Teicneolaíocht Inbhuanaithe (Onóracha)

Application: CAO

CAO Code: MT 878

NFQ Level: 8

Award Title: Bachelor of Science (Honours) in Environmental Science & Sustainable Technology

Duration: 4 Years (8 Semesters)

Places: 20

Location: MTU Bishopstown Campus, Cork

Entry 2022

SCORE THE NECESSARY CAO POINTS AND MEET
MINIMUM LEAVING CERTIFICATE REQUIREMENTS
6 SUBJECTS

SUBJECTS 06/H7	SUBJECTS H5	MATHS GRADE	ENGLISH OR IRISH GRADE
4	2	06/H7	06/H7



Overview

This honours degree offers a unique combination of scientific and instrumentation based modules to train graduates in the skills required to become environmental monitoring specialists, specifically in the areas of air and water quality analysis.

Most of the modules taught have a significant laboratory element and students can expect to spend 50% of their contact time working with modern laboratory instrumentation. The emphasis is on making scientific measurements and analysing the results, as well as calibrating and operating technical equipment. To assist in this, the students receive a comprehensive foundation in physics and chemistry together with specialist modules in electronics, statistics, instrumentation, environmental GIS, smart sensors and the internet of things. There is a continual green ethos throughout the course; the provision of green technical and managerial modules aim to stimulate graduates to become champions of sustainability. There are modules that deal with waste management, water and air quality, as well as green auditing to ensure that graduates are fully up-to-date with the legal, economic and technical aspects of environmental monitoring.

In addition to the scientific and technical modules, there are a number of modules designed to develop competencies in communication skills, report writing and presentation skills, and research methods along with an emphasis on teamwork.

In year 3, students are placed within an industry or research group for work placement. It may be possible for the work placement to be in an international location.

In the final year of the course, there is a major technical project in the area of environmental monitoring.

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Further Studies

Suitably qualified graduates are eligible to apply for a postgraduate degree by research at MTU at master (MSc) or doctoral (PhD) levels under the supervision of departmental principal investigators based at CAPP (www.cappa.ie), Mass Spectrometry Group, or elsewhere at MTU.

Question Time

What is the difference between this course and other environmental courses?

The mix of physical science, modern analytical instruments and green management is unique and quite different to traditional environmental science courses. There is a strong focus on lab based technical skills and the use of modern instrumentation to measure environmental parameters. Students learn how to operate and calibrate sophisticated computer-controlled equipment as well as how to critically analyse and validate their data.

How comfortable do I need to be with science subjects?

Physics and chemistry at Leaving Certificate level are helpful but not essential, as the key content in both subjects are covered in year one of the course.

What should my interests be?

A strong interest in technology and the environment, specifically the use of modern computer-controlled measuring instruments that contribute to the protection of the environment and enable the development of sustainable solutions for industries and society in general.

Where am I likely to work?

You could be working for the Environmental Protection Agency or local authorities ensuring environmental licence compliance for example by monitoring the quality of air in our cities and towns. Opportunities exist in industry in particular in the pharmaceutical, manufacturing and agrifood sectors where technical specialists are required to monitor a range of environmental parameters and present solutions where issues arise.



Career Opportunities

As graduates of a STEM programme with an emphasis on technical skills, employment opportunities are excellent. The main employment areas are water quality analysis, air emissions monitoring, waste reduction, environmental consulting and management, green auditing, carbon footprint reduction as well as related research & development. Graduates can expect to work in a variety of situations such as working in an environmental testing laboratory or in waste management in a modern pharmaceutical plant; they could be office based or out in the field collecting and analysing environmental samples.

- Air and water quality monitoring
- Environmental consultancy
- Wastewater and air emissions reduction
- Green auditing
- Data analytics



First Year at a Glance

- Environmental Instrumentation: measurement and calibration of sensors used for environmental monitoring
- Mathematics: developing the tools for analysing scientific data
- Chemical Principles
- Fundamental Physics
- Climate Change: introduction to issues contributing to climate change
- Green Team: introduction to sustainability and team work
- Creativity, Innovation and Teamwork: team building, independent working and communication skills development



Industrial Physics (Honours)

Fisic Thionsclaíoch (Onóracha)

Application: CAO

CAO Code: CK 409

NFQ Level: 8

Award Title: Bachelor of Science (Honours) in Industrial Physics

Duration: 4 Years (8 Semesters)

Places: 20

Location: MTU Bishopstown Campus, Cork, and University College Cork.



Overview

This honours degree course is offered jointly by MTU and UCC and can be applied for via the UCC CAO code CK 409.

Industrial Physics is a globally recognised discipline area with industrial physicists leading some of the most important scientific and technological developments of the past century, including the development of the transistor for computers, lasers for corrective eye surgery and LEDs for high brightness flat-screen TV and smart-phone displays. Industrial physicists are problem solvers, able to solve problems quickly and in a wide range of industrial settings, devising and using unconventional techniques. Advanced, high-precision manufacturing is the core of Ireland's industrial output.

The degree combines fundamental physics with hands-on industrial training, targeting careers in some of the most exciting and innovative industries in Ireland and abroad. The first two years of the degree focus mainly on fundamental physics taught at UCC (www.ucc.ie/en/physics), while years three and four place an emphasis on industrial control technology and system interfacing using the specialised teaching laboratory facilities at MTU Bishopstown Campus, Cork.

Lectures/practical work

Lectures and practical sessions take place from 9.00am to 6.00pm, Monday to Friday. Usually students spend 18-20 hours/week in the classroom and similar time commitment in the laboratory. Lectures, tutorials and laboratory practical sessions take place on both the UCC and MTU Bishopstown campus. There is approximately a 75%/25% split in terms of time spent on either campus – for stage 1 and 2, approx. 75% of the time is spent on the UCC campus whereas for stages 3 and 4 it is approx. 75% of time on the MTU Bishopstown campus.

Further Studies

As a major Level 8 award, the degree in industrial physics qualifies the graduate for entry to many masters and doctorate programmes in applied physics and engineering, as well as conversion courses into other numerate disciplines such as actuarial studies. There are industrial PhD programmes that cater to graduates wishing to carry out their doctorate while remaining with their employer, which would be highly suitable.

Question Time

What topics are studied in this programme?

- Classical physics, quantum mechanics, special relativity, thermodynamics, electro- and magneto-statics, electromagnetism, computational physics, optics, experimental methods, condensed matter physics, lasers and photonics
- Chemistry fundamentals
- Textual programming language, VB, ladder logic programming, SCADA
- Signal processing, process analytical technology, process control
- Air quality monitoring, gas analysis instrumentation, water quality instrumentation

Why study industrial physics?

- The course provides an excellent grounding in the fundamentals of physics but also the tools to apply these immediately upon graduation
- Work at the heart of Ireland's large and growing advanced manufacturing sectors (BioPharmaceutical, micro/nano-electronics, data processing, materials science, etc)
- Joint degree blending particular strengths of two universities
- Long established extended placement scheme with potential employers
- High employer demand for graduates

Contact Information

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Entry 2022

SCORE THE NECESSARY CAO POINTS AND MEET
MINIMUM LEAVING CERTIFICATE REQUIREMENTS
6 SUBJECTS

SUBJECTS 06/H7	SUBJECTS H5	MATHS GRADE	ENGLISH & IRISH GRADE	SCIENCE GRADE
4	2	H4 (NOTE 1)	06/H7 (NOTE 2)	H4 (NOTE 3)

NOTE 1: H4 can be in Maths or Applied Maths. If the H4 is in Applied Maths, a H6 in Maths is also required.

NOTE 2: Irish is a requirement for this programme unless the applicant is exempt from Irish.

NOTE 3: A H4 must be obtained in a laboratory science subject (from biology, chemistry, physics, physics with chemistry, or agricultural science).

NB: Please note the H4 grade can also be used to satisfy the H5 requirements.



Career Opportunities

An honours degree in industrial physics can lead to rewarding roles in many sectors such as pharmaceutical and bio-pharmaceuticals; medical devices; food/drinks manufacturing, and consultancy.

- Biopharmaceutical engineering
- Advanced scientific instrumentation
- Advanced manufacturing
- Oil & gas/renewable energy

This degree is ideal for students who wish to gain deep insight into the physics of modern technologies, and who enjoy applying this knowledge in problem solving in real-world environments. With strong employer demand for qualified graduates, this ever-expanding field offers career paths for graduates who wish to use their skills in technical settings and equally those seeking a corporate management path.



First Year at a Glance

- Introduction to Modern Physics: an overview of physics underlying modern technologies such as electromagnetism, optics, mechanics, etc
- Mathematical Methods: fundamental mathematical concepts and skills required to understand and solve problems in the modern world
- Chemistry for Physicists and Mathematicians: the basic chemistry skills
- Introduction to Environmental Science: overview of fundamental concepts of environmental monitoring, sensors, pH, gas detection, etc
- Instrument Measurement: fundamentals of measurement accuracy, precision, instrument response, sensitivity, range, etc
- Industrial Automation: programmable logic controllers, automation software tools, CAD

Electives

- Programming in C
- Computer Applications with Visual Basic
- Programming in Python



Instrument Engineering (Honours)

Innealtóireacht Ionstraimíochta (Onóracha)

Application: CAO

CAO Code: MT 833

NFQ Level: 8

Award Title: Bachelor of Science (Honours) in Instrument Engineering

Duration: 4 Years (8 Semesters)

Places: 20

Location: MTU Bishopstown Campus, Cork



Entry 2022

SCORE THE NECESSARY CAO POINTS AND MEET
MINIMUM LEAVING CERTIFICATE REQUIREMENTS
6 SUBJECTS

SUBJECTS 06/H7	SUBJECTS H5	MATHS GRADE	ENGLISH OR IRISH GRADE
4	2	06/H7	06/H7

Overview

Instrument engineering is the multidisciplinary specialisation centred on the principles of operation and applications of the diverse instrumentation used to measure, control and automate processes and systems throughout industry and society. Within process industries such as pharmaceuticals, biotechnology, food, beverages and water, instrument engineering contributes significantly to quality, safety, productivity, and efficiency.

This multidisciplinary course provides a comprehensive foundation of physical science, mathematics, electronics, measurement technology and information technology on which a range of specialist instrument engineering modules are developed. There is a continual emphasis throughout the course on the design standards and best practice relevant to instrument engineering.

During the work placement in year 3, students will gain direct experience in the practice of instrument engineering within an industry, organisation or research group in Ireland or abroad.

In year 4 there is a major project where students will be able to design, develop and implement measurement and control systems. Students will also manage, evaluate and critically analyse complex instrumentation and process control installations.

Accreditation

This honours degree is recognised by the Institute of Physics. Graduates of recognised degrees qualify for associate membership upon graduation and may apply for full membership after appropriate work experience. The Institute of Physics provides routes for suitably qualified and experienced members to become Chartered Physicists and Chartered Engineers. Further details can be found on the Institute of Physics website. This degree is also currently in review for accreditation by the Institute of Measurement and Control.

Further Studies

MTU offers opportunities for suitably qualified graduates to proceed to postgraduate study with research teams based at MTU's Centre for Advanced Photonics & Process Analysis, CAPP (www.cappa.ie), the Tyndall National Institute (www.tyndall.ie), and elsewhere.

Question Time

Is this a science course or an engineering course?

While the qualification is that of a science degree (BSc), graduates find employment in a range of scientific and engineering roles. This is a multidisciplinary course with a mix of science and engineering modules. This broad base provides graduates with a skill set that provides a wide range of employment opportunities and the ability to adapt to rapidly changing technologies.

What level of mathematics is recommended?

Honours mathematics is not required, but as with all physical science and engineering courses numeracy is essential and you need to be comfortable with mathematics.

What personal skills are most suited to the course and subsequent careers?

Motivation, initiative, dependability, commitment, and analytical ability.

What should my interests be?

How things work, problem-solving and meeting technical challenges.

Where am I likely to work?

There are excellent employment opportunities locally, nationally and internationally for graduates. These opportunities are in biopharmachem, biotech and other process industries. Employment is either directly with these companies or in the systems integrators and engineering consultancies that support these companies.

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Career Opportunities

Graduates typically work as instrument engineers, automation engineers or control engineers within chemical, pharmaceutical, biotechnology, oil/gas, food, beverage and water treatment companies that use instrumentation to improve productivity, safety, reliability, quality, etc.

Significant employment opportunities exist for graduates in design, manufacture and supply instrumentation to the above industries. Opportunities are also available within the engineering consultancies and systems integrators who provide such industries with turn-key solutions to their manufacturing challenges.



First Year at a Glance

- Computing: enabling students to use technology for instrumentation
- Mathematics: developing the tools for instrument calibration and automation
- Chemical Principles: physical sciences to the fundamentals of atomic theory, chemical bonding, the periodic table, physical states of matter, and stoichiometric calculations
- Fundamental Physics: an introductory course comprising foundation physics topics relevant to all fields of science
- Sensors and Systems: the components of measurement systems using a variety of sensors
- Measurement and calibration of sensors used for industry
- Creativity, Innovation and Teamwork: team building, independent working and communication skills development



Nutrition and Health Science (Honours)

Eolaíocht Cothaithe agus Sláinte (Onóracha)

Application: CAO

CAO Code: MT 876

NFQ Level: 8

Award Title: Bachelor of Science (Honours) in Nutrition and Health Science

Duration: 4 Years (8 Semesters)

Places: 40

Location: MTU Bishopstown Campus, Cork



Entry 2022

SCORE THE NECESSARY CAO POINTS AND MEET
MINIMUM LEAVING CERTIFICATE REQUIREMENTS
6 SUBJECTS

SUBJECTS 06/H7	SUBJECTS H5	MATHS GRADE	ENGLISH OR IRISH GRADE
4	2	06/H7	06/H7

Overview

This course is designed to meet the need for scientists with technical competency in the design, development, production, analysis and upgrading of products that are involved in the maintenance, restoration and promotion of human health and wellbeing. Graduates will be able to apply their understanding of human nutrition and its role in health and disease to various sectors of the food and health industry and identify and address nutrition-related problems in individuals and populations.

First and second year modules provide the student with a strong foundation in biological science modules such as microbiology, biochemistry, biotechnology, as well as nutrition modules including fundamentals of human nutrition, nutritional analysis methodologies and food and health science.

Third and fourth year cover more specialised topics such as nutrition communication, nutritional epidemiology, clinical nutrition, functional foods, food regulation and innovation and food and healthcare chemistry, toxicology and microbiology. The lectures are supplemented with relevant case studies, projects, assignments and there is a strong focus on gaining in depth practical experience in the laboratory.

The work placement module is an integral and essential part of the course programme in which the student is introduced to a structured work environment. The student develops an understanding of the organisation, practices and procedures current in the organisation and the area of activity in which it is involved.

Further Studies

This course is an excellent platform for further studies, both in terms of short add-on courses, and more structured postgraduate degrees such as Master of Science and PhD programmes. Graduates have many opportunities to engage in continued education and training (e.g. dietetics).

Question Time

Can I become a dietician from MT 876?

Completion of the BSc (Honours) in Nutrition and Health Science does not qualify the graduate to practice as a dietician. However, graduates of the course can undertake further studies in other third-level institutes to pursue a career as a dietician.

What personal skills are most suited to the course and subsequent careers?

Individuals pursuing a career in nutrition and health science should be dedicated, logical, analytically minded, good with people, a team player, have good attention to detail, and excellent organisational skills.

Is this programme accredited?

Yes, the BSc (Honours) in Nutrition and Health Science is accredited by the Association for Nutrition (AfN) which holds the UK Voluntary Register of Nutritionists (UKVRN), a register of competent, qualified, nutrition professionals who meet AfN standards for scientific, evidence-based nutrition. MTU's Nutrition and Health Science programme is now one of two AfN accredited programmes offered in the Republic of Ireland and joins the suite of 56 AfN accredited undergraduate programmes across the UK and Ireland.

Contact Information

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Career Opportunities

A graduate of this course will be employable in food, nutrition, healthcare and animal feed industries, in sectors including research, new product development, production, nutritional analysis, quality assurance, food/nutrition communication and marketing.

- Research scientist in food and related healthcare industries
- New product development, production, and marketing in food and related healthcare industries
- Food safety and food regulation in food industry and governmental agencies
- Nutrition communication in food information organisations
- Quality assurance



First Year at a Glance

As well as learning the main core science subjects in first year, students will also be exposed to the following

- Studying the different groups of food and healthcare products produced in industry
- Evaluating the role of food in health
- Describing the basic principles of sports and exercise nutrition
- Performing experimental laboratory procedures on different food and healthcare products



Pharmaceutical Biotechnology (Honours)

Biteicneolaíocht Chógaisíochta (Onóracha)

Application: CAO

CAO Code: MT 873

NFQ Level: 8

Award Title: Bachelor of Science (Honours) in Pharmaceutical Biotechnology

Duration: 4 Years (8 Semesters)

Places: 40

Location: MTU Bishopstown Campus, Cork

Entry 2022

SCORE THE NECESSARY CAO POINTS AND MEET
MINIMUM LEAVING CERTIFICATE REQUIREMENTS
6 SUBJECTS

SUBJECTS 06/H7	SUBJECTS H5	MATHS GRADE	ENGLISH OR IRISH GRADE
4	2	06/H7	06/H7



Overview

Many modern medicines such as vaccines, hormones, and anticancer drugs are now made using biological cells. Insulin for example, which is used by diabetic patients worldwide, is made using living cells as opposed to more traditional chemical synthesis based methods. This means there is a strong demand for biologists who can design innovative new medicines using biological approaches, and who have the skills to work with cells and the bio-active compounds they produce. This biotechnology course will teach students how to grow and engineer biological cells in order to make safe and effective medicines using the most up-to-date information and technologies available.

The course content is specifically designed to meet the needs of the many relevant employers both nationally and internationally, and contains topical, cutting edge, industry specific material. The lectures are supplemented with in-depth analysis of relevant case studies, projects, assignments, interactive videos, web tools, and site visits. A substantial portion of the contact time in the first three years is spent in the laboratory gaining practical experience.

Work placement is a mandatory part of this course. In year 3, students will spend a minimum of 16 weeks in a local, national or internationally approved work environment. With a substantial database of national and international industry partners at our disposal, students have an opportunity to experience the reality of a work-based environment as part of their education, gaining access to some of the leading scientific companies in the world.

Further Studies

This course is an excellent platform for further studies, both in terms of short add-on courses, and more structured postgraduate degrees such as Master of Science and PhD programmes.

Question Time

Does this course qualify me as a Pharmacist?

No. It trains you to work in the biotechnology industry where modern bio-medicines are discovered and made such as vaccines, hormones, antibodies, and therapeutic enzymes.

What personal skills are most suited to the course and subsequent careers?

Good organisational skills, technical ability, team-working and ability to work to deadlines.

Is the biotechnology industry secure?

In general, the biotechnology industry is moving towards a more "bio-based" approach to pharmaceutical manufacture. Consequently, there is a greater need to produce highly trained graduates who possess pharmaceutical biotechnology related skills.

Each of the world's top 10 biopharmachem companies has a presence in Ireland. The biopharmachem sector maintained its position as the largest exporter of goods from Ireland in 2017 and the sector directly employs approximately 30,000 people. Currently, the biopharmachem industry in Ireland is vibrant and expanding and over the past 10 years, close to €10 billion has been invested in manufacturing and research sites around the country.

Contact Information

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Career Opportunities

This course is very broad and is specifically designed to train students in all aspects of modern biotechnology. Graduates from this course are qualified to work in a number of areas within the biotechnology industry with many attaining employment immediately after graduating.

- Quality control analyst
- Microbiologist
- Bio-assay specialist
- Technical/process specialist
- Research and development



First Year at a Glance

As well as learning the main core science subjects in first year, students will also be exposed to the following:

- Growing biological cells: what makes biological cells healthy and how are they grown in a laboratory
- How do cells work: what structures are needed by cells to stay alive
- Working with DNA: what is DNA and how can we use it in biotechnology
- Making biological medicines: learn the basics of how cells can be used to make modern medicines
- Laboratory studies: use the latest equipment and technologies in a modern laboratory facility
- Experimental analysis: carry out your own experiments in a laboratory setting and learn how to create and analyse your own data



Pharmaceutical Science (Honours)

Eolaíocht Chógaisíochta (Onóracha)

Application: CAO

CAO Code: MT 872

NFQ Level: 8

Award Title: Bachelor of Science (Honours) in Pharmaceutical Science

(Degree award option: Biopharmaceutics)

Duration: 4 Years (8 Semesters)

Places: 16

Location: MTU Kerry South Campus



Entry 2022

SCORE THE NECESSARY CAO POINTS AND MEET
MINIMUM LEAVING CERTIFICATE REQUIREMENTS
6 SUBJECTS

SUBJECTS 06/H7	SUBJECTS H5	MATHS GRADE	ENGLISH OR IRISH GRADE
4	2	06/H7	06/H7

Overview

Recent advances in pharmaceutical science have focused on the rapid development of quality medicinal products that are safer, more effective and increasingly convenient for the patient. This has led to a significant demand for scientists with knowledge and skills related to the biopharmaceutical area. Pharmaceuticals are drugs made from a series of chemical reactions and biopharmaceuticals are medicines made using living organisms such as bacteria, yeast and mammalian cells. The pharmaceutical and biopharmaceutical industries comprise Ireland's largest manufacturing sector and need highly trained graduates.

This degree is designed to develop your practical skills and competence to work as a laboratory scientist. The focus of the level 8 degree is on the analysis, design, production and regulatory compliance of pharmaceutical products. First year delivers core science modules and fundamental practical skills training and subsequent years build on these areas. Students also cover the relevant key areas of chemistry and biology, such as Applied Pharmaceutical Chemistry, Biochemistry, Pharmaceutical Microbiology, Molecular Biology and Cell Culture.

Final year level 8 students develop more in-depth knowledge and skills by studying specialised modules such as Advanced Pharmaceutical Techniques, Drug Synthesis and Design and Bioprocessing, by carrying out a research project and also by completing a 12-week work placement.

Our graduates have an acknowledged reputation as excellent laboratory scientists and researchers, well prepared for the challenges of the workplace with a range of transferrable skills into other related sectors.

Our graduates have found work in a range of local companies, including Aenova, Astellas, Kerry Group, Kerry County Council, Southern Scientific and Metpro Ltd. Many of our graduates have gone further afield to take up positions in world-leading pharmaceutical companies including Pfizer, Johnson and Johnson, Regeneron, Lilly, Boston Scientific and Allergan.

Further Studies

Suitably qualified Level 8 Honours graduates are eligible to progress to taught master programmes or to research at either master or PhD level.

Question Time

Would I be qualified to teach at second level if I do this course?

The modules covered meet The Teaching Council subject requirements to teach chemistry to Leaving Certificate level. Students who opt to take an extra 5 credit module in physics will also meet the Teaching Council subject requirement to teach science up to Junior Certificate level. Graduates will also be required to complete a two-year Professional Master of Education (PME).

Do I need to have studied a science subject at Leaving Certificate level?

No, but an active interest in science and at least one Leaving Certificate science subject would be useful. First year modules focus on the key areas relevant to the programme of study and assume no previous knowledge of the subject at Leaving Certificate level.

Contact Information

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Career Opportunities

Graduates of this course have taken up employment opportunities in both laboratory and non-laboratory settings leading to supervisory and management roles across a wide range of sectors, including

- Pharmaceutical and biopharmaceutical
- Research and development
- Medical devices and healthcare
- Food and cosmetics
- Environmental and health and safety
- Consultancy, technical sales and marketing
- Training and education



First Year at a Glance

- Biology: basic biological concepts, processes, systems and structures
- Chemistry: fundamental chemical concepts and terminology and their application
- Essential Scientific Maths: appropriate numerical, algebraic and graphical skills and their applications
- Scientific Communication and Computer Applications: commonly used computer applications in laboratory analysis and skills for interpersonal communication including oral and written presentations
- Good Laboratory Practice: laboratory design and safety, general laboratory techniques and analytical measurements
- Overview of the Science Industry: review of the science industry in Ireland focussing on the pharma/biopharma sector
- Physics Concepts: basic physics principles, concepts, ideas and terminologies and their application
- Mathematics and Statistics for Science: analytical and numerical approach to problem solving; statistics to describe and analyse scientific data

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www.mtu.ie/MT872

Pharmaceutical Science

Eolaíocht Chógaisíochta

Application: CAO

CAO Code: MT 772

NFQ Level: 7

Award Title: Bachelor of Science in Pharmaceutical Science

(Degree award option: Biopharmaceutics)

Duration: 3 Years (6 Semesters)

Places: 16

Location: MTU Kerry South Campus



Entry 2022

SCORE THE NECESSARY CAO POINTS AND MEET
MINIMUM LEAVING CERTIFICATE REQUIREMENTS
5 SUBJECTS

SUBJECTS 06/H7	SUBJECTS H5	MATHS GRADE	ENGLISH OR IRISH GRADE
5	0	06/H7	06/H7

Overview

Recent advances in pharmaceutical science have focused on the rapid development of quality medicinal products that are safer, more effective and increasingly convenient for the patient. This has led to a significant demand for scientists with knowledge and skills related to the biopharmaceutical area. Pharmaceuticals are drugs made from a series of chemical reactions and biopharmaceuticals are medicines made using living organisms such as bacteria, yeast and mammalian cells. The pharmaceutical and biopharmaceutical industries comprise Ireland's largest manufacturing sector and need highly trained graduates.

This degree is designed to develop your skill and competence to work as a laboratory analyst. The primary focus of the degree is on pharmaceutical analysis and it is very practically based, giving our students the key laboratory skills and the hands-on training industry requires. First year delivers core science modules and fundamental practical skills training and subsequent years build on these areas. In addition, students cover relevant key areas of chemistry and biology, such as Applied Pharmaceutical Chemistry, Biochemistry, Pharmaceutical Microbiology, Molecular Biology and Cell Culture. Students in year 3 also complete an analytical project on a pharmaceutical product using the skills and techniques developed during the course.

Our graduates who are well prepared for the challenges of the workplace have an acknowledged reputation as excellent laboratory analysts. Duties include setting up and running instrumentation, performing quality analysis of pharmaceutical products in line with approved procedures, recording and reporting results.

Our graduates have found work in a range of local companies, including Aenova, Astellas, Kerry Group, Kerry County Council, Southern Scientific and Metpro Ltd. Many of our graduates have gone further afield to take up positions in world-leading pharmaceutical companies including Pfizer, Janssen, Regeneron, Lilly, Gilead, Oriflame, Chanelle, and GlaxoSmithKline.

Further Studies

Suitably qualified Level 7 graduates are eligible to progress to year four of the Level 8 BSc (Honours) in Pharmaceutical Science or other related courses.

Question Time

Do I need to have studied any science subjects to Leaving Certificate level?

No, but an active interest in science and at least one Leaving Certificate science subject would be useful. First year modules focus on the key areas relevant to the programme of study and assume no previous knowledge of the subject at Leaving Certificate level.

Contact Information

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Career Opportunities

Graduates take up employment opportunities in laboratory settings across a wide range of sectors carrying out roles in the areas of

- Product analysis and testing
- Quality control and quality assurance
- Calibration of instrumentation and validation of procedures
- Manufacturing and bioprocessing
- Environmental monitoring
- Technical support



First Year at a Glance

- **Biology:** basic biological concepts, processes, systems and structures
- **Chemistry:** fundamental chemical concepts and terminology and their application
- **Essential Scientific Maths:** appropriate numerical, algebraic and graphical skills and their applications
- **Scientific Communication and Computer Applications:** commonly used computer applications in laboratory analysis and skills for interpersonal communication including oral and written presentations
- **Good Laboratory Practice:** laboratory design and safety, general laboratory techniques and analytical measurements
- **Overview of the Science Industry:** review of the science industry in Ireland focussing on the pharma/biopharma sector
- **Physics Concepts:** basic physics principles, concepts, ideas and terminologies and their application
- **Mathematics and Statistics for Science:** analytical and numerical approach to problem solving; statistics to describe and analyse scientific data



Pharmacy Technician

Teicneoir Cógaisíochta

Application: CAO

CAO Code: MT 682

NFQ Level: 6

Award Title: Higher Certificate in Science - Pharmacy Technician

Duration: 2 Years (4 Semesters)

Places: 32

Location: MTU Kerry South Campus



Overview

A pharmacy technician plays a vital role in the operation of a pharmacy or pharmacy department. Pharmacy technicians are key healthcare workers. They aid the pharmacist with the dispensing and processing prescriptions, and the preparation, checking and storage of medicines. Pharmacy technicians can secure employment in retail pharmacies and in pharmacy departments in private and public hospitals. This NFQ level six, two-year course combines academic knowledge and real-world training in a pharmacy environment with work experience modules making up two semesters of the course.

The course prepares students for a profession as a pharmacy technician and is delivered by leading scientists and pharmacists. It develops the practical, professional and academic skills required to assist in the various activities of the pharmacy. These skills include knowledge of prescription and non-prescription medicines and how they are formulated and used to treat illnesses.

Central to the philosophy of this course is that graduates will attain a sound base in physiology and pharmacology. The course includes two pharmacy placements, which can be carried out either in a hospital pharmacy department or in a community pharmacy. This allows the opportunity for students to apply their theoretical knowledge and practical skills as a student in a real-world environment. Formal work placement makes up 50% of this course.

Further Studies

Suitably qualified Level 6 graduates will be eligible to progress to the BSc in Pharmacy Management and Practice, a one-year add-on programme leading to a degree at Level 7.

Question Time

Can I become a pharmacist if I do this course?

This Higher Certificate course will qualify you to work as a pharmacy technician not a pharmacist. However, we have had students who have successfully applied to universities in the UK/Northern Ireland to become pharmacists where their Certificate in Pharmacy Technician has been key in gaining entry to the course.

Contact Information

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Entry 2022

SCORE THE NECESSARY CAO POINTS AND MEET
MINIMUM LEAVING CERTIFICATE REQUIREMENTS
5 SUBJECTS

SUBJECTS 06/H7	SUBJECTS H5	MATHS GRADE	ENGLISH OR IRISH GRADE
5	0	06/H7	06/H7

Vetting by an Garda Síochána is a mandatory requirement for this programme.



Career Opportunities

Pharmacy technicians secure employment in independent pharmacies and private and public hospital pharmacy departments. The one-year-add-on Level 7 Pharmacy Management and Practice gives pharmacy technicians the opportunity for career progression into pharmacy management or progression to a senior pharmacy technician position in a hospital pharmacy department.



First Year at a Glance

- Over the Counter Medicines: knowledge of over-the-counter medicines and how to treat common ailments that may present in a pharmacy
- Human Physiology: explains the structure of the human body - how physiological systems contribute to overall body function, and the relationships between basic physiology, exercise physiology and lifelong health
- Regulations and Dispensing: gives students the knowledge, skills and competencies required to work in a dispensary under the supervision of a pharmacist and outlines relevant legislation related to pharmacy
- Introductory Microbiology for Pharmacy Technicians: introduction to the diversity of microorganisms in the environment particularly those responsible for disease and methods of their control; the importance of aseptic techniques in preparation and production of medicines
- Pharmacy Administration and Personal Development: a basic insight into the role of a pharmacy technician to ensure that the student is able to work independently and as part of a team in a supervised work place environment
- Pharmacy Calculations: provides a thorough knowledge of the mathematics required for the successful working out of dosage calculation problems encountered in a pharmacy or pharmacy department.



Physical Sciences (Honours) (Common Entry)

Eolaíochtaí Bitheolaíoch (Onóracha) (Iontráil Chomónta)

Application: CAO

CAO Code: MT 870

NFQ Level: 8

Award Title: Dependent on chosen specialisation

- Bachelor of Science (Honours) in Instrument Engineering
- Bachelor of Science (Honours) in Environmental Science and Sustainable Technology
- Bachelor of Science (Honours) in Analytical Chemistry and Quality Assurance

Duration: 4 years (8 semesters)

Places: 20

Location: MTU Bishopstown Campus, Cork

Entry 2022

SCORE THE NECESSARY CAO POINTS AND MEET
MINIMUM LEAVING CERTIFICATE REQUIREMENTS
6 SUBJECTS

SUBJECTS 06/H7	SUBJECTS H5	MATHS GRADE	ENGLISH OR IRISH GRADE
4	2	06/H7	06/H7

Overview

The Physical Sciences (Common Entry) course is designed for applicants who wish to enter a physical science course in MTU but are undecided about or wish to postpone selecting a designated chemistry or physics qualification until after they have had an opportunity to experience both disciplines.

Common Semester 1: The common semester 1 programme includes modules in Physics, Chemistry, Biology, Mathematics, and Computing so that students will have completed an introduction to general science by the end of semester 1.

At the end of semester 1, students choose the chemistry or physics degree course that they wish to pursue in semester 2.

Students on the Level 8 Physical Sciences Common Entry Programme MT 870 can apply to progress to one of the three Level 8 science courses:

- MT 833 BSc (Honours) in Instrument Engineering
- MT 878 BSc (Honours) in Environmental Science and Sustainable Technology
- MT 874 BSc (Honours) in Analytical Chemistry with Quality Assurance

Chemistry and physics are physical sciences and MTU delivers programmes focusing on the applied, industry-relevant aspects of these subjects. Science refers to a system of acquiring knowledge. This system uses observation and experimentation to describe and explain natural phenomena. Science is an excellent career choice for those interested in understanding how the chemicals, foods and other products that we encounter in everyday life are designed and produced. From cures for life threatening illnesses, to environmental protection, to the design of new foods and space science, careers in science are varied and interesting. The common entry mode to physical sciences offers students the opportunity to study a broad introduction to various science modules before deciding on their preferred stream in semester 2 of year 1.

Question Time

What are the advantages of taking the Physical Sciences (Common Entry) route?

Students have an opportunity to take introductory modules in both chemistry and physics (in addition to other areas of general science) before choosing the discipline they wish to follow.

Do I need to have studied at least one of the science subjects at Leaving Certificate to apply for these courses?

No – the fundamentals of the three Leaving Certificate science subjects are delivered in Semester 1.

What is the difference between choosing Physical Sciences (Common Entry) at Level 8 to Physical Sciences (Common Entry) at Level 7?

Students commencing on the Level 7 route will have completed their ordinary BSc degree in 3 years, while those who choose the Level 8 route will take 4 years to complete their Honours BSc degree, with significant additional material being delivered in the fourth year to achieve the higher level award.

Contact Information

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First Semester at a Glance

- Biology: study of fundamental building blocks of life
- Chemical Principles: study of general chemical interactions
- Physics: study of fundamental basis of energy, light and heat
- Laboratory Skills: understanding the basis for good laboratory practice in a chemistry laboratory
- Mathematics: fundamental mathematical concepts and skills required to understand and solve problems in the modern world
- Instrument Measurement: introduces the principles of measurement using a range of instruments and includes the theory and principles of operation of instrumentation pertaining to process and other industries
- Creativity, Innovation and Teamwork: Team building, independent working and communication skills development

Semester 2

- Semester 2 modules are determined by the designated degree programme selected following completion of Semester 1.

Progression from Physical Sciences (Common Entry)

MT 870 Level 8

BSc (Honours) in Instrument Engineering

BSc (Honours) in Environmental Science and Sustainable Technology

BSc (Honours) in Analytical Chemistry with Quality Assurance



Physical Sciences (Common Entry)

Eolaíochtaí Bitheolaíoch (Iontráil Chomónta)

Application: CAO

CAO Code: MT 770

NFQ Level: 7

Award Title: Dependent on chosen specialisation

- Bachelor of Science in Applied Physics and Instrumentation
- Bachelor of Science in Analytical & Pharmaceutical Chemistry

Duration: 3 years (6 semesters)

Places: 20

Location: MTU Bishopstown Campus, Cork

Entry 2022

SCORE THE NECESSARY CAO POINTS AND MEET
MINIMUM LEAVING CERTIFICATE REQUIREMENTS
5 SUBJECTS

SUBJECTS 06/H7	SUBJECTS H5	MATHS GRADE	ENGLISH OR IRISH GRADE
5	0	06/H7	06/H7



Overview

The Physical Sciences (Common Entry) courses are designed for applicants who wish to enter a physical science course in MTU but are undecided about or wish to postpone selecting a designated chemistry or physics qualification until after they have had an opportunity to experience both disciplines.

Common Semester 1: The common semester 1 programme includes modules in Physics, Chemistry, Biology, Mathematics, and Computing so that students will have completed an introduction to general science by the end of semester 1.

At the end of semester 1, students choose the chemistry or physics degree course that they wish to pursue in semester 2.

Students on the Level 7 Physical Sciences Common Entry Programme MT 770 can apply to progress to one of two Level 7 science courses:

- MT 782 BSc in Applied Physics and Instrumentation
- MT 774 BSc in Analytical & Pharmaceutical Chemistry

Chemistry and physics are physical sciences and MTU delivers programmes focusing on the applied, industry-relevant aspects of these subjects. Science refers to a system of acquiring knowledge. This system uses observation and experimentation to describe and explain natural phenomena. Science is an excellent career choice for those interested in understanding how the chemicals, foods and other products that we encounter in everyday life are designed and produced. From cures for life threatening illnesses, to environmental protection, to the design of new foods and space science, careers in science are varied and interesting. The common entry mode to physical sciences offers students the opportunity to study a broad introduction to various science modules before deciding on their preferred stream in semester 2 of year 1.

Question Time

What are the advantages of taking the Physical Sciences (Common Entry) route?

Students have an opportunity to take introductory modules in both Chemistry and Physics (in addition to other areas of general science) before choosing the discipline they wish to follow.

Do I need to have studied at least one of the science subjects at Leaving Certificate to apply for these courses?

No – the fundamentals of Biology, Chemistry, and Physics Leaving Certificate science subjects are delivered in semester 1.

What is the difference between choosing Physical Sciences (Common Entry) at Level 8 to Physical Sciences (Common Entry) at Level 7?

Students commencing on the Level 7 route will have completed their ordinary BSc degree in 3 years, while those who choose the Level 8 route will take 4 years to complete their honours BSc degree, with significant additional material being delivered in the fourth year to achieve the higher level award.

Contact Information

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T: +353 (0)21 433 5594
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First Semester at a Glance

- **Biology:** study of fundamental building blocks of life
- **Chemical Principles:** study of general chemical interactions
- **Physics:** study of fundamental basis of energy, light and Heat
- **Laboratory Skills:** understanding the basis for good laboratory practice in a chemistry laboratory
- **Mathematics:** fundamental mathematical concepts and skills required to understand and solve problems in the modern world
- **Instrument Measurement:** introduces the principles of measurement using a range of instruments and includes the theory and principles of operation of instrumentation pertaining to process and other industries
- **Creativity, Innovation and Teamwork:** team building, independent working and communication skills development

Semester 2

- Semester 2 modules are determined by the designated degree programme selected following completion of Semester 1

Progression from Physical Sciences (Common Entry)

MT 770 Level 7

BSc in Applied Physics and Instrumentation

BSc in Analytical and Pharmaceutical Chemistry



Veterinary Bioscience (Honours)

Bitheolaíocht Tréidliachta (Onóracha)

Application: CAO

CAO Code: MT 881

NFQ Level: 8

Award Title: Bachelor of Science (Honours) in Veterinary Bioscience

Duration: 4 Years (8 Semesters)

Places: 16

Location: MTU Kerry South Campus



Entry 2022

SCORE THE NECESSARY CAO POINTS AND MEET
MINIMUM LEAVING CERTIFICATE REQUIREMENTS
6 SUBJECTS

SUBJECTS 06/H7	SUBJECTS H5	MATHS GRADE	ENGLISH OR IRISH GRADE
4	2	06/H7	06/H7

NOTE: The study of veterinary bioscience necessitates using animal-derived material in some classes. Any animal tissue used in classes is ethically sourced in full compliance with the University's requirements. Individuals who object unreservedly to the use of animal material in teaching should not enter the veterinary bioscience programme.

Overview

Our biological science degree in Veterinary Bioscience has a major focus on animal health, disease and diagnostics. The veterinary biosciences discipline is experiencing significant growth, both nationally and internationally, due to increased demand for diagnostics to underpin animal health and disease management.

The research-led curriculum will provide you with an excellent understanding of the key elements of biology, health and disease in both production animals (cattle, sheep, pigs and poultry) and companion animals (dogs, cats and horses), and the tools to provide diagnostics strategies for the prevention, recognition and control of animal diseases. The degree is delivered by leading life-scientists and practicing veterinarians, who will guide you through your learning, from developing a practical understanding of animals and how they function, to veterinary pharmaceutical, advanced laboratory diagnostic and research skills in animal health.

The programme's emphasis on animal health and veterinary diagnostics is supported by practical, hands-on experience and interaction with animals throughout, a dedicated work placement programme in year three, and an animal health research project in the final year of your studies.

Government departments and private laboratories require veterinary scientists to develop and operate laboratory diagnostics. Biopharmaceutical companies require such graduates to research and develop new biologicals to prevent and treat disease. The food industry requires veterinary scientists to safeguard the safety of food and the welfare of animals. Farmers, feed production operators and reproductive specialists require our graduates for herd health programmes, nutrition experts and reproductive analysis, respectively. Additionally, the advancement of entrepreneurial skills within the programme teaches the knowledge and creativity for business development.

Further Studies

Suitably qualified Level 8 Honours graduates are eligible to progress to taught master programmes or to research at either master or PhD level. Graduates who wish to enter graduate veterinary medicine will be facilitated by an overlap in content between this programme and a veterinary medicine curriculum.

Question Time

Can I apply to graduate entry veterinary courses after completing my Veterinary Bioscience degree?

Yes. We currently have affiliation with the University of Veterinary Medicine in Košice, Slovakia. Suitably qualified graduates may also apply for entry to any other graduate entry veterinary medicine programme.

Contact Information

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Career Opportunities

- Animal health researcher
- Herd health advisor
- Public (civil) servant
- Animal nutritionist
- Pharmaceutical drug and vaccine developer
- Clinical practice manager
- Animal diagnostic laboratory officer and manger
- Second-level school teacher (additional qualification required)



First Year at a Glance

In your first year, you'll study topics that are fundamental to veterinary bioscience:

- Animal and Plant Biology: basic biological concepts, processes, systems and structures
- Animal Behaviour and Welfare: practical knowledge of normal patterns of behaviour as well as developing concepts and theories relating to animal welfare, veterinary ethics and applied welfare issues in common farm and companion animal species
- Animal Production Systems: develop principles on the major systems of animal production. The practical element of the module teaches skills to approach, handle, restrain and conduct a health check on animals
- Veterinary Anatomy: two modules will develop a detailed understanding of the anatomy of animals, relating anatomical structures to clinical and biological problems
- Chemistry: chemical concepts and terminology essential for building a sound foundation for understanding and learning chemistry
- Essential Scientific Maths: ensures that students will have appropriate numerical, algebraic and graphical skills and be able to apply these skills successfully
- Physics Concepts: provides knowledge of basic physics principles, concepts, ideas and terminologies and enable the student to apply to various physical phenomena
- Mathematics and Statistics for Science: provides students with a knowledge of mathematics and statistics to describe and analyse scientific data



Wildlife Biology (Honours)

Bitheolaíocht Fiadhúlra (Onóracha)

Application: CAO

CAO Code: MT 880

NFQ Level: 8

Award Title: Bachelor of Science (Honours) in Wildlife Biology

Duration: 4 Years (8 Semesters)

Places: 16

Location: MTU Kerry South Campus



Entry 2022

SCORE THE NECESSARY CAO POINTS AND MEET
MINIMUM LEAVING CERTIFICATE REQUIREMENTS
6 SUBJECTS

SUBJECTS 06/H7	SUBJECTS H5	MATHS GRADE	ENGLISH OR IRISH GRADE
4	2	06/H7	06/H7

NOTE: This course involves strenuous physical activities in outdoor settings. You will need medical clearance to register on this programme.

Overview

Wildlife Biology is the study of the natural environment, the living things in it, and their interactions. This MTU programme, unique in Ireland, prepares you for a variety of roles (lab, field and desk-based) in research, biodiversity, conservation and land use management. Based in the stunning and wildlife rich county of Kerry, the course attracts students from across Ireland, Europe and beyond.

The first two years are common with MT 680 Higher Certificate in Biological and Environmental Studies. Zoology, Botany, Ecology and Microbiology (in year 2) offer a wide and deep understanding of living things. Outdoor education modules provide skills to work and navigate safely in wild and remote environments, and include a Certificate in Remote Emergency Care. A module on Geographical Information Systems provides experience in the new industry standard for management of spatial data.

Habitat Studies, Species Identification and a Wildlife Expedition in year 3 provide practical and applied skills. Research modules (including group Ecology project and individual final year thesis) facilitate development of skills in desk and field data collation, analysis and presentation. Modules in Environmental Protection, Biodiversity, Conservation and Habitat Conservation Management prepare for a career supporting the sustainable transition of society and economy to battle the biodiversity and climate crises.

With weekly fieldtrips, in a variety of aquatic, upland and remote habitats in Co. Kerry and beyond, you need to be reasonably fit, and prepared for all weathers and rough terrain.

Further Studies

Suitably qualified Level 8 honours graduates are eligible to progress to taught master programmes or to research at either master or PhD level.

Question Time

Would I be qualified to teach at second level if I do this course?

The modules covered meet the Teaching Council subject requirements to teach biology to Leaving Certificate level. Students who opt to take an optional extra 5 credit module (online) in physics will also meet the Teaching Council subject requirement to teach science up to Junior Certificate level. Graduates will also be required to complete a two-year Professional Master of Education (PME).

Contact Information

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Career Opportunities

Our graduates have taken employment with a range of employers such as the Forest Service, the National Parks and Wildlife Service, Fota Wildlife Park and non-governmental organisations (NGOs). Others are employed with Inland Fisheries Ireland, the Marine Institute and as part of agri-environment schemes and other large-scale conservation projects. Many go on to complete master degrees and/or PhDs. Some graduates have undertaken conservation work internationally (UK, Canada, Central America).



First Year at a Glance

- **Biology:** an overview of the kingdom of life and the processes that makes living things work
- **Chemistry:** a thorough introduction to the elements, molecules and reactions that affect life – both within organisms and in the environment
- **Scientific Communication and Computer Applications:** develops skills for interpersonal and scientific communication
- **Irish Wildlife:** overview of the fauna of Ireland with reference to life histories, habitat and conservation status.
- **Outdoor Skills:** foundation levels of personal skills and competencies in a range of outdoor environments
- **Physics Concepts:** an introduction to physics as a basis for understanding mechanics and energy in the living world
- **Introduction to Environmental Science:** global environmental challenges, environmental degradation and effects on human health
- **Field Biology and Earth Science:** practical field biology and introductory geology and physical geography
- **Mathematics and Statistics for Science:** basic mathematical methods and introductory statistics to describe and analyse data





Nursing and Health Care

Succeeding Together

CAO Code	NFQ Level	Course	Page
MT 925	8	Bachelor of Arts (Honours) in Counselling with Addiction	142
MT 926	8	Bachelor of Science (Honours) in General Nursing	143
MT 927	8	Bachelor of Science (Honours) in Mental Health Nursing	144

Symbol Key:



Work Placement



Progression to the next NFQ level



Garda Vetting



Medical Required



Exit Award

Counselling with Addiction (Honours)

Comhairleoireacht le hAndúil (Onóracha)

Restricted programme - mature applicants only

Application: CAO

CAO Code: MT 925

NFQ Level: 8

Award Title: Bachelor of Arts (Honours) in Counselling with Addiction

Duration: 4 Years (8 Semesters)

Places: 20

Location: Galilee House of Studies, Athy, Co. Kildare



Entry 2022

MINIMUM LEAVING CERTIFICATE REQUIREMENTS 6 SUBJECTS

SUBJECTS 06/H7	SUBJECTS H5	MATHS GRADE	ENGLISH OR IRISH GRADE
4	2	06/H7	06/H7

Applicants must

- Be over 23 years of age on 1st January of the year of entry.
- AND
- Meet minimum leaving certificate requirements above.
- OR
- Hold a full FET/ QQI (level 5) award with a minimum of 3 distinctions.
- OR
- Have completed a recognition of prior learning (RPL) process with the University.
- OR
- Have successfully completed the University's mature student assessment.

Additional Entry Requirements

Vetting by an Garda Síochána is a mandatory requirement for this programme.

All applicants will be interviewed as part of the application process.

All applicants will be required to provide medical certification and references.

Applicants who disclose a personal recovery process are required to be two years post-treatment before applying for this programme.

Overview

Counselling involves talking and listening to clients about their emotions, relationships, thought processes, patterns of behaviour or life events such as bereavement, addiction, divorce, health issues or job concerns. Counsellors help clients to understand themselves better and find their own solutions to resolve or cope with their situation or issues. Counsellors play a crucial role in improving the health and wellbeing of people in society.

This is a collaborative programme between MTU and Cuan Mhuire/Galilee House of Studies. Cuan Mhuire is Ireland's 'largest multisite provider of residential detoxification and treatment for those suffering from addiction' (www.cuanmhuire.ie). Galilee House of Studies is an established provider of a higher education undergraduate diploma programme in counselling located in Athy, Co. Kildare.

The course will be delivered by a team of experienced practising addiction counsellors/ psychotherapists and third level academic staff in **Galilee House of Studies, Athy, Co. Kildare** (year 1, 2 and 3), with practice placement undertaken in Cuan Mhuire's

residential centres or other relevant clinical sites across Ireland in year 4. Students will have the opportunity to seek their own practice placement sites, however MTU/ Cuan Mhuire/Galilee House of Studies will ultimately be responsible for ensuring that all students secure an appropriate practice placement site.

The purpose of this programme is to provide systematic training in counselling theory and practice at a level that prepares participants to counsel in a variety of settings and to use various counselling approaches. Counselling and psychotherapy are growing and evolving professions in Ireland and internationally. Also, addiction in recent years is becoming an increasing problem in Ireland, with the Government pledging to increase funding in the area of mental health initiatives as part of the national counselling service.

Accreditation

On completion of the programme, graduates will be accredited with the Irish Association for Counselling and Psychotherapy (IACP), Addiction Counsellors of Ireland (ACI) and the National Association of Pastoral Counselling and Psychotherapy (NAPCP).

Further Studies

Suitably qualified level 8 honours graduates are eligible to progress to taught master programmes or to research at either master or PhD level.

Contact Information

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Career Opportunities

There are significant employment opportunities in the various specialised areas, such as addiction, victim support, marriage guidance, bereavement, substance abuse, homelessness, youth and community. Many counsellors work in private practice, private or public residential and non-residential youth and adult centres, schools, colleges, hospitals etc.



First Year at a Glance

- Human Development – Content and Theory: personal development of the student in three significant areas of growth for a prospective counsellor
- Personal Development – Process and Care: to provide a safe context in which students will be encouraged to explore and reflect on the links between personal and professional development
- Counselling Skills: provides a set of baseline counselling skills, which are fundamental to the therapeutic relationship
- Theoretical Perspectives in Counselling and Psychotherapy: equips students with a greater knowledge and understanding of historically recognised and contemporary counselling and psychotherapeutic theories.
- Person Centred Approach to Counselling and Psychotherapy: equips students with an experientially grounded understanding of the person-centred approach to counselling and psychotherapy
- Bereavement, Loss and Grief: develops knowledge, skills and attitudes on managing loss, bereavement and grief
- Addiction Studies: provides students with the knowledge-base on which to develop their therapeutic understanding of theoretical and clinical considerations concerning substance use

PLEASE NOTE: students will be required to pay for personal supervision and counselling fees over the duration of the programme. Where a student at any stage of the programme demonstrates active substance misuse they will be required to defer their programme for 1 year while working towards regaining sobriety and will require medical confirmation of recovery before registering to re-enter the programme.



General Nursing (Honours)

Altranas Ginearálta (Onóracha)

Application: CAO

CAO Code: MT 926

NFQ Level: 8

Award Title: Bachelor of Science (Honours) in General Nursing

Duration: 4 Years (8 Semesters)

Places: 60

Location: MTU Kerry North Campus



Entry 2022

SCORE THE NECESSARY CAO POINTS AND MEET
MINIMUM LEAVING CERTIFICATE REQUIREMENTS
6 SUBJECTS

SUBJECTS 06/H7	SUBJECTS H5	SCIENCE GRADE	MATHS GRADE	ENGLISH OR IRISH GRADE
4	2	06/H7	06/H7	06/H7

NOTE: Vetting by an Garda Síochána is a mandatory requirement for this programme.

Overview

This programme gives you the skills to provide nursing care in a wide variety of clinical settings. It emphasises the importance of working with other professions and planning individualised nursing care in partnership with patients. As with all nurse education programmes, our focus is on caring, communication and understanding the patient's experience of health and illness.

Over the course of the four-year programme, you develop a range of skills, including professional/ethical practice; holistic approaches to care and the integration of knowledge; interpersonal relationships; organisation and management of care; and personal and professional development. Nursing offers exciting opportunities to develop valuable specialist knowledge, and skills that are in demand both nationally and internationally.

This course consists of 76 weeks of classroom-based theory and practical learning, interspersed with 81 weeks of clinical placements. Nursing students complete their programme with a 36-week continuous internship rostered placement. Clinical practice can take place locally including counties Kerry and Cork, as well as internationally and encompasses a very broad range of clinical settings, including general medical and surgical nursing, accident and emergency, outpatients, operating theatre, and nursing children – among others.

Our nursing programmes are taught in the purpose-built SOLAS building at the MTU Kerry North Campus. This state-of-the-art facility has technology enhanced classrooms, lecture halls, practical skills laboratories, and computer suites. Our partnership with the HSE and Bon Secours Hospital in Tralee offers students a wide range of exciting clinical placement facilities. Throughout this programme, you will get great support from the University and from clinical staff, both in the classroom and on placement.

Further Studies

Suitably qualified Level 8 Honours graduates are eligible to progress to

- Master of Science in Nursing
- Master of Science in Professional Nursing
- Master of Science in Advanced Practice Nursing

at MTU Kerry Campus or to research at either master or PhD level.

Question Time

Can I become a midwife if I do this course?

Suitably qualified registered general nurses are eligible to pursue a number of additional post-registration qualifications including midwifery. Please note there is currently no post-registration route from midwifery into general nursing.

Are there scholarships available for this course?

Yes, the Thomas McEllistram Memorial Scholarship will be awarded to a student who has attended a second level school in Kerry who registers on either the BSc (Honours) in General Nursing or the BSc (Honours) in Mental Health Nursing at MTU.

Valued at €1,000 the scholarship will be awarded, for one academic year, to the student obtaining the highest points in the Leaving Certificate Examination and who is not already in receipt of a scholarship.

Contact Information

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Career Opportunities

Registered general nurses can explore a range of career pathways. Many enter clinical practice, specialising in areas like cardiology, intensive care, palliative care and public health nursing. You may also pursue a career in nursing management, research or education.



First Year at a Glance

- Professionalism in Nursing Practice: introduces fundamental interpersonal, legal, ethical and regulatory dimensions of professional nursing practice.
- Health and Wellbeing: provides a broad understanding of nursing and healthcare for both the individual and population groups.
- Skills for Safe Practice: introduces fundamental knowledge and skills of nursing within the parameters of a safety culture in both general and mental healthcare settings.
- Developing Competency in General Nursing Practice: encourages active engagement in evidence-based nursing practice.
- Principles of General Nursing Care: introduces human anatomy, physiology and pathophysiology in conjunction with the evidence-based theory underpinning the nursing care and management of a person, from admission to discharge.
- Caring in Context: introduces caring in the context of: primary, secondary and tertiary health care settings, maternity care, infant, child and adolescent care, safeguarding the vulnerable adult at risk of abuse, disability awareness and intellectual disability, mental health, perioperative care, critical care/emergency care, and end-of-life care.



Mental Health Nursing (Honours)

Altranas Meabhairshláinte (Onóracha)

Application: CAO

CAO Code: MT 927

NFQ Level: 8

Award Title: Bachelor of Science (Honours) in Mental Health Nursing

Duration: 4 Years (8 Semesters)

Places: 27

Location: MTU Kerry North Campus



Entry 2022

SCORE THE NECESSARY CAO POINTS AND MEET
MINIMUM LEAVING CERTIFICATE REQUIREMENTS
6 SUBJECTS

SUBJECTS 06/H7	SUBJECTS H5	SCIENCE GRADE	MATHS GRADE	ENGLISH OR IRISH GRADE
4	2	06/H7	06/H7	06/H7

NOTE: Vetting by an Garda Síochána is a mandatory requirement for this programme.

Overview

The aim of mental health nursing is to promote mental health and wellness, to plan with, support and provide nursing care to people who suffer from mental illness and mental distress, and to support families and communities in dealing with mental health challenges. This care can be provided in acute care facilities such as hospitals, in peoples own homes and community care settings. Supporting on-going mental health recovery is an important role of being a mental health nurse.

Our graduates work with individuals, families and communities to prevent mental health problems so that as many people as possible can live full lives in community settings. At the heart of the role of the mental health nurse is the ability to establish therapeutic relationships with individuals and their families.

The course consists of 76 weeks of classroom-based theory and practical learning, interspersed with 81 weeks of clinical placements. A 36-week continuous rostered clinical placement is also included. This can take place either locally or internationally and encompasses a very broad range of clinical settings, including acute mental health, care of the older person, specialist care, adult general nursing and working with voluntary and statutory bodies. When you complete this course, you will be eligible to have your name entered into the Psychiatric Division of the Register of Nurses maintained by Bord Altranaís agus Cnáimhseachais na hÉireann.

Our nursing programmes are taught in the purpose-built SOLAS building at the MTU Kerry North Campus. This state-of-the-art facility has technology enhanced classrooms, lecture halls, practical skills laboratories and computer suites. Our partnership with the HSE offers students a wide range of exciting clinical placement facilities across counties Kerry and Cork. Throughout this programme, you will get great support from the University and from clinical staff, both in the classroom and on placement. ERASMUS opportunities are available in Oxford Brookes University in England for students studying mental health nursing at MTU.

Further Studies

Suitably qualified level 8 honours graduates are eligible to progress to

- Master of Science in Nursing
- Master of Science in Professional Nursing
- Master of Science in Advanced Practice Nursing

at MTU Kerry Campus or to research at either master or PhD level.

Question Time

Are there scholarships available for this course?

Yes, the Thomas McEllistrim Memorial Scholarship will be awarded to a student who has attended a second level school in Kerry who registers on either the BSc (Honours) in General Nursing or the BSc (Honours) in Mental Health Nursing at MTU. Valued at €1,000 the scholarship will be awarded, for one academic year, to the student obtaining the highest points in the Leaving Certificate Examination and who is not already in receipt of a scholarship.

Contact Information

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Career Opportunities

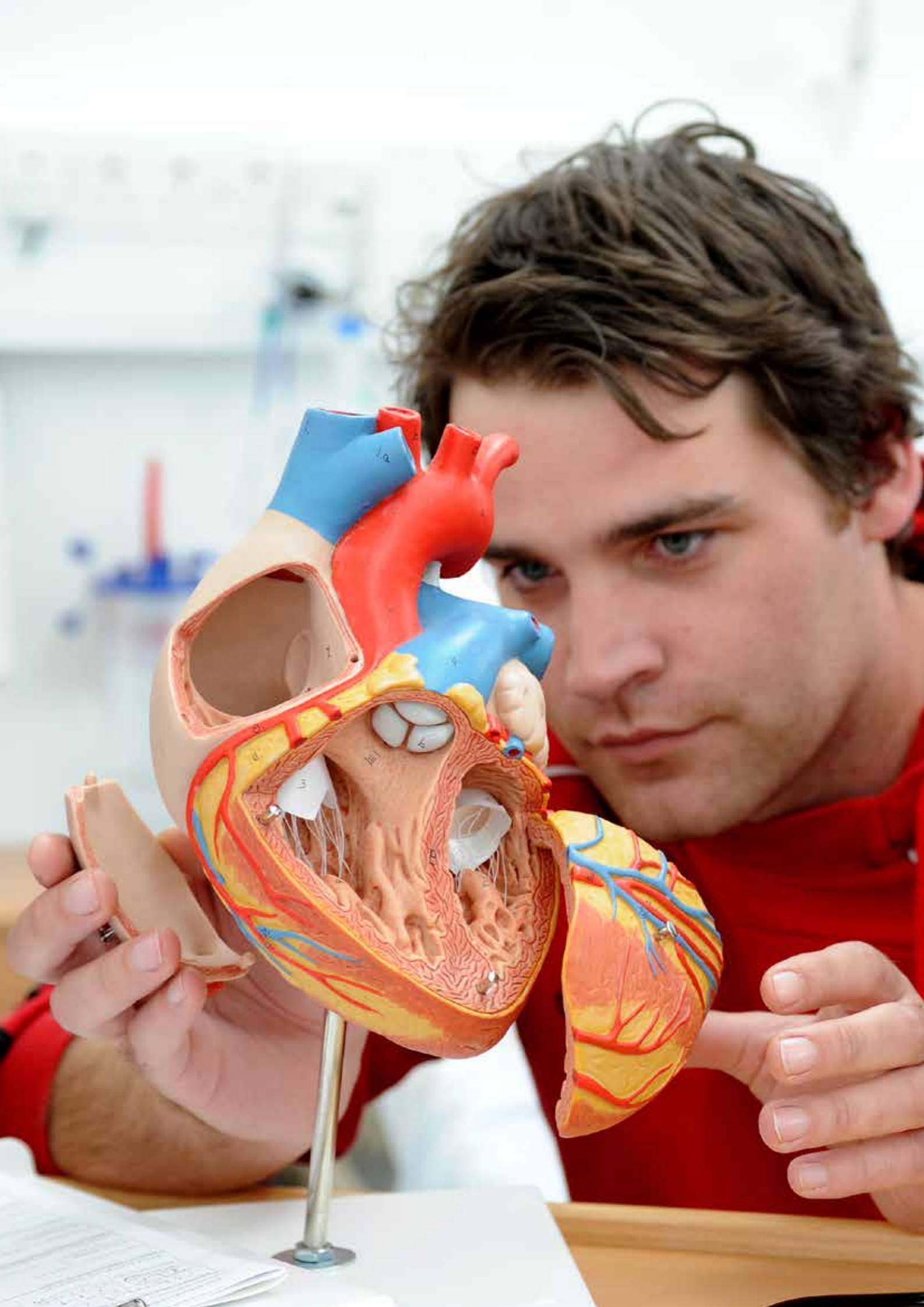
Registered psychiatric nurses can explore a range of career pathways. Many enter clinical practice, specialising in areas like forensic psychiatry, community psychiatric nursing and counselling. You may also pursue a career in nursing management, research or education.



First Year at a Glance

- Professionalism in Nursing Practice: fundamental interpersonal, legal, ethical and regulatory dimensions of professional nursing practice
- Health and Wellbeing: provides a broad understanding of nursing and healthcare for both individual and population groups
- Skills for Safe Practice: fundamental knowledge and skills of nursing within the parameters of a safety culture in both general and mental healthcare settings
- Developing Competency in Mental Health Nursing Practice: encourages active engagement in evidence-based nursing practice
- Principles of Mental Health Nursing Care: introduces human anatomy, physiology and pathophysiology in conjunction with the evidence-based theory underpinning the nursing care and management of a person, from admission to discharge
- Caring in Context: introduces caring in the context of primary, secondary, and tertiary health care settings
- The Sociology and Psychology of Health and Illness: students develop an introductory knowledge of sociology and psychology as they apply to studies of health and wellness.







Computer Science

Succeeding Together

CAO Code	NFQ Level	Course	Page
MT 802	8	Bachelor of Science (Honours) in Computer Systems	148
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	6	Higher Certificate in Science in Computer Systems and Networking (Direct Entry)	150
MT 803	8	Bachelor of Science (Honours) in Computing (Common Entry)	151
MT 703	7	Bachelor of Science in Computing (Common Entry)	152
MT 804	8	Bachelor of Science (Honours) in Computing with Games Development	153
MT 704	7	Bachelor of Science in Computing with Games Development	154
MT 801	8	Bachelor of Science (Honours) in Computing with Software Development	155
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Symbol Key:



Work Placement



Progression to the next NFQ level



Garda Vetting



Medical Required



Exit Award

Computer Systems (Honours)

Córais Ríomhaireachta (Onóracha)

Application: CAO

CAO Code: MT 802

NFQ Level: 8

Award Title: Bachelor of Science (Honours) in Computer Systems

Duration: 4 Years (8 Semesters)

Places: 30

Location: MTU Bishopstown Campus, Cork



Entry 2022

SCORE THE NECESSARY CAO POINTS AND MEET
MINIMUM LEAVING CERTIFICATE REQUIREMENTS
6 SUBJECTS

SUBJECTS 06/H7	SUBJECTS H5	MATHS GRADE	ENGLISH OR IRISH GRADE
4	2	03/H7	06/H7

The first year curriculum is common for all degrees in the Department of Computer Science, MTU Bishopstown Campus. All first year students study the same modules and this means that students can transfer to another programme within the Department in year two if they meet the CAO entry requirements for that programme when they enter MTU Bishopstown Campus, Cork. This offers great flexibility for qualifying students who may wish to change programmes after year one. This flexibility allows a student to make a more informed decision one year into their studies.

Overview

A computer systems engineer combines knowledge of computer science, engineering, and mathematical analysis to develop, test, and evaluate software for personal computers and more. Students will gain an understanding of the fundamental principles of computer systems, embedded systems, systems programming and real time systems, along with knowledge and understanding of modern computer architectures. You will become a software developer who has the programming, analysis and design skills combined with the hardware knowledge to create network/Internet/cloud-based applications. You will understand how devices (such as smart devices, desktop computers and tablets) communicate with each other and the world around them. You will gain an understanding of the fundamental principles of computer systems, embedded systems, systems programming and real time systems, along with knowledge and understanding of modern computer architectures. You will be encouraged to use initiative and confidence in approaching problems, investigating solutions using a blend of analytical and practical skills and be able to plan and design the infrastructure and systems that will allow this to happen.

In year 3, placements for students are organised on a countrywide basis with a particular focus on Cork and Dublin. Students have also obtained placement in other countries such as France, Germany, Sweden, and the USA.

Contact Information

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E: david.stynes@mtu.ie

Further Studies

Suitably qualified graduates may apply for postgraduate research degrees at master (MSc) or doctoral (PhD) level where further specialisation in your preferred area of computer science is possible. Suitably qualified graduates may also apply for these taught programmes

- MSc in Software Architecture & Design
- MSc in Cybersecurity
- MSc in Information Design & Development
- MSc in Cloud Computing
- MSc in Artificial Intelligence

Question Time

What makes MT 802 different from the other computer science honours degrees at MTU Bishopstown Campus?

It has a stronger hardware and telecommunications emphasis, and uses mathematical abilities more.

Is there a scholarship available for the programme?

The McKesson Women in IT Scholarship is awarded each year to the female Leaving Certificate student with the highest CAO points entering a programme in the Department of Computer Science, MTU Bishopstown Campus. The scholarship will be paid to the recipient for each year of her undergraduate degree programme along with mentoring, internship and networking opportunities at McKesson Cork.

What level of programming is contained in the programme?

Programming and software development are a crucial part of the programme, accounting for roughly a quarter of the mandatory modules.

Can I work in the games development industry with this programme?

Yes, the games industry requires interdisciplinary teams when developing new products. A graduate with good software development skills and in particular, programming skills would be a major asset to such a team. We also offer a Games Development elective module.



Career Opportunities

You will have career opportunities with large multinationals such as IBM, EMC, Intel, Johnson Controls, Google, Cisco, and also with smaller Irish companies. You will be qualified to work in a wide variety of industries, such as networking, telecoms, data storage, and finance. Some graduates have progressed into project and people management roles. Graduates have commented that the dual nature of the course and the variety between the modules, opened more doors to employment than a single-focused course could have. Areas of employment include software developer; network engineering; network specialist; internet of things (IoT) specialist; embedded systems programmer; systems engineer.



First Year at a Glance

Year 1 is a common curriculum for all students and focuses on the fundamentals of Computer Science. Modules include

- Programming Fundamentals
- Web Development Fundamentals
- Computer Architecture
- Computer Security Principles
- Maths for Computer Science
- Modular Programming
- Introduction to Databases
- Operating Systems in Practice
- Networking Fundamentals
- Physical Computing



Computer Systems and Networking

Córais Ríomhaireachta agus Líonrú

Application: CAO

CAO Code: MT 706

NFQ Level: 7

Award Title: Bachelor of Science in Computer Systems and Networking

Duration: 3 Years (6 Semesters)

Places: 20

Location: MTU Kerry North Campus



Overview

This degree is closely aligned to the needs of industry, training graduates who are industry-ready with the skillset to support, administer and manage information communication technology (ICT) systems and networks in a wide range of industry sectors.

Almost every business now relies on ICT and most require in-house ICT knowledge and expertise to track customers and products, to develop, analyse and administer web sites, to monitor and maintain their computers and networks, to maintain and update software operating systems and applications and to plan, deploy and monitor computer services while ensuring the security of data and networks.

There are also many large and small computer companies developing and providing software and hardware services and solutions to a variety of sectors, including financial services, food and agriculture, telecommunications, health and education. There are many roles involved in the development of these services and solutions including testing, updating and deploying the solutions, operating and monitoring software remotely and providing customer support.

The primary focus of this degree is on developing technical and practical skills in computing and the provision and maintenance of hardware, software and networks. The first semester is common to all computing courses within the Department of Computing, MTU Kerry North Campus, covering modules in computer hardware, networks and programming. Modules that focus on the provision of support and training in an IT environment are introduced from semester two.

Further Studies

Graduates of this course are eligible to undertake a 1-year add-on degree to complete the Bachelor of Science (Honours) in Computer Services Management, where students develop the skills required to take on a management role in IT infrastructure planning and provision.

Contact Information

Department of Computing
T: +353 (0)66 719 1659
E: computingKerry@mtu.ie

Entry 2022

SCORE THE NECESSARY CAO POINTS AND MEET
MINIMUM LEAVING CERTIFICATE REQUIREMENTS
5 SUBJECTS

SUBJECTS 06/H7	SUBJECTS H5	MATHS GRADE	ENGLISH OR IRISH GRADE
5	0	06/H7	06/H7



Career Opportunities

Graduates have taken up roles as: IT Help Desk coordinator; IT support technician; analysts; IT systems administrators; network support engineers; network systems administrators; web developers; web administrators; ICT security analyst; cloud support; IT managers; IT site reliability technicians; DevOps engineers; ICT infrastructure support; and self-employed technical contractors.



First Year at a Glance

- **Structured Programming:** introduces fundamentals of structured programming and lays the foundations for subsequent programming modules
- **Rapid Application Development:** helps the student understand the role of programming in application development
- **Web Development:** learn the skills and techniques necessary to design and create accessible web content using the latest languages and technologies
- **User Interfaces:** the fundamentals of User Interface Design (UI) and User Experience (UX), using design principles that encompass functionality and the user experience
- **Network Fundamentals:** the fundamentals of computer networking, the devices and protocols involved, from the physical through to the application layer
- **Database Concepts:** understanding of databases, database design, database management and the fundamentals of database programming
- **Mathematics:** general mathematical and statistical skills necessary/desirable to most areas in computing and other disciplines, to develop the student's logical thinking and to develop an analytical approach to problem solving
- **Operating Systems:** internals of a modern operating system at a practical level via command-line and graphical user interfaces



Computer Systems and Networking

Córais Ríomhaireachta agus Líonrú

Application: Direct application to MTU

NFQ Level: 6

Award Title: Higher Certificate in Science in Computer Systems and Networking

Duration: 2 Years (4 Semesters)

Places: 20

Location: MTU Kerry North Campus



Entry 2022			
MINIMUM LEAVING CERTIFICATE REQUIREMENTS			
5 SUBJECTS			
SUBJECTS 06/H7	SUBJECTS H5	MATHS GRADE	ENGLISH OR IRISH GRADE
5	0	06/H7	06/H7

Overview

The Higher Certificate is closely aligned to the needs of industry, training graduates who are industry-ready with the skillset to support, administer and manage information communication technology (ICT) systems and networks in a wide range of industry sectors.

Almost every business now relies on ICT and most require in-house ICT knowledge and expertise to track customers and products, to develop, analyse and administer web sites, to monitor and maintain their computers and networks, to maintain and update software operating systems and applications and to plan, deploy and monitor computer services while ensuring the security of data and networks.

There are also many large and small computer companies developing and providing software and hardware services and solutions to a variety of sectors, including Financial Services, Food and Agriculture, Telecommunications, Health and Education. There are many roles involved in the development of these services and solutions including testing, updating and deploying the solutions, operating and monitoring software remotely and providing customer support.

The primary focus of the higher certificate is on developing technical and practical skills in computing and the provision and maintenance of hardware, software and networks. The first semester of this course is common to all computing courses within the department, covering modules in computer hardware, networks and programming. Modules that focus on the provision of support and training in an IT environment are introduced from semester two.

A key component of this course is work placement. This is the focus of semester four and provides the opportunity for students to gain relevant, real world experience in a workplace environment.

Further Studies

Suitably qualified Level 6 graduates are eligible to progress to year three of

- BSc in Computer Systems and Networking

Contact Information

Department of Computing
T: +353 (0)66 719 1659
E: computingKerry@mtu.ie



Career Opportunities

Graduates have taken up roles as: IT help desk coordinator; IT support technician; computer sales and repairs; IT systems administrators; network support engineers; network systems administrators; web developers; web administrators; ICT security analyst; cloud support; IT site reliability technicians; ICT infrastructure support; self-employed technical contractors.



First Year at a Glance

- **Structured Programming:** introduces fundamentals of structured programming and lays the foundations for subsequent programming modules
- **Rapid Application Development:** helps the student understand the role of programming in application development
- **Web Development:** learn the skills and techniques necessary to design and create accessible web content using the latest languages and technologies
- **User Interfaces:** the fundamentals of User Interface Design (UI) and User Experience (UX), using design principles that encompass functionality and the user experience
- **Network Fundamentals:** the fundamentals of computer networking, the devices and protocols involved, from the physical through to the application layer
- **Database Concepts:** understanding of databases, database design, database management and the fundamentals of database programming
- **Mathematics:** general mathematical and statistical skills necessary/desirable to most areas in computing and other disciplines, to develop the student's logical thinking and to develop an analytical approach to problem solving
- **Operating Systems:** internals of a modern operating system at a practical level via command-line and graphical user interfaces



Computing (Common Entry) (Honours)

Ríomhaireacht (Iontráil Chomónta) (Onóracha)

Application: CAO

CAO Code: MT 803

NFQ Level: 8

Award Title: Depends on specialism

- Bachelor of Science (Hons) in Computing with Games Development
- Bachelor of Science (Hons) in Computing with Software Development

Duration: 4 Years (8 Semesters)

Places: 20

Location: MTU Kerry North Campus

Entry 2022

SCORE THE NECESSARY CAO POINTS AND MEET
MINIMUM LEAVING CERTIFICATE REQUIREMENTS
6 SUBJECTS

SUBJECTS 06/H7	SUBJECTS H5	MATHS GRADE	ENGLISH OR IRISH GRADE
4	2	04/H7	06/H7



Overview

Computing professionals are in high demand and short supply. This computing degree prepares graduates to be problem solvers and innovative thinkers. During the first year, students will study common modules, as they progress into second year they will be offered a choice of specialisms:

Choose between:

- Games Development
- Software Development

Students will be given the opportunity to experience each of the specialist areas before making their choice. The programme is designed to develop the student's technical skills in the core areas of computing and their chosen specialism while also developing the skills necessary for a successful career.

The computing and information technology sector continues to be a driving force in our economy and the demand for graduates outstrips supply. This programme produces graduates with the skills that are highly sought after by local, national and international employers. It has been designed using input from industry, graduates and students. This programme covers a comprehensive range of core computing areas and, together with their chosen specialism, ensures graduates have a solid foundation for a successful career. The heavy focus on programming and on workplace preparedness gives our graduates a keen edge in a competitive environment.

Further Studies

Suitably qualified Level 8 Honours graduates are eligible to progress to taught master programmes or to research at either master or PhD level.

Question Time

What is the difference between choosing Computing (Common Entry) at Level 8 to Computing (Common Entry) at Level 7?

Students commencing on the Level 7 route will have completed their ordinary BSc degree in 3 years, while those who choose the Level 8 route will take 4 years to complete their honours BSc degree, with significant additional material being delivered in the fourth year to achieve the higher level award.

Contact Information

Department of Computing
T: +353 (0)66 719 1659
E: computingKerry@mtu.ie



Career Opportunities

Depending on their particular skillsets, our graduates find work in a variety of roles, including:
programmer/software developer with a games company, media or other technology enterprise; developer of digital media and audio/video content; Database administrator; Data analyst; Web developer; Web manager; Network administrators; Systems administrators; and Computer technicians.



First Year at a Glance

- **Structured Programming:** fundamentals of structured programming which lays the foundations for subsequent programming modules
- **Rapid Application Development:** understand the role of programming in application development
- **Web Development:** skills and techniques necessary to design and create accessible web content using the latest languages and technologies
- **User Interfaces:** the fundamentals of User Interface Design (UI) and User Experience (UX), using design principles that encompass functionality and the user experience
- **Network Fundamentals:** fundamentals of computer networking, the devices and protocols involved, from the physical through to the application layer
- **Database Concepts:** an understanding of databases, database design, database management and the fundamentals of database programming
- **Mathematics:** general mathematical and statistical skills necessary/desirable to most areas in computing and other disciplines, to develop the student's logical thinking and to develop an analytical approach to problem solving



Computing (Common Entry)

Ríomhaireacht (Iontráil Chomónta)

Application: CAO

CAO Code: MT 703

NFQ Level: 7

Award Title: Depends on specialism

- Bachelor of Science in Computing with Games Development
- Bachelor of Science in Computing with Software Development

Duration: 3 Years (6 Semesters)

Places: 20

Location: MTU Kerry North Campus

Entry 2022	SCORE THE NECESSARY CAO POINTS AND MEET MINIMUM LEAVING CERTIFICATE REQUIREMENTS 5 SUBJECTS			
	SUBJECTS 06/H7	SUBJECTS H5	MATHS GRADE	ENGLISH OR IRISH GRADE
	5	0	06/H7	06/H7



Overview

Computing professionals are in high demand and short supply. This computing degree prepares graduates to be problem solvers and innovative thinkers. During first year, students will study common modules, as they progress into second year they will be offered a choice of specialisms:

Choose between:

- Games Development
- Software Development

Students will be given the opportunity to experience each of the specialist areas before making their choice. The programme is designed to develop the student's technical skills in the core areas of computing and their chosen specialism while also developing the skills necessary for a successful career.

The computing and information technology sector continues to be a driving force in our economy and the demand for graduates outstrips supply. This programme produces graduates with the skills that are highly sought after by local, national and international employers. It has been designed using input from industry, graduates and students. This programme covers a comprehensive range of core computing areas and, together with their chosen specialism, ensures graduates have a solid foundation for a successful career. The heavy focus on programming and on workplace preparedness gives our graduates a keen edge in a competitive environment.

Further Studies

Depending on the specialism choice, suitably qualified level 7 graduates are eligible to progress to year 4 (final)

- BSc (Honours) in Computing with Games Development
- BSc (Honours) in Computing with Software Development

Question Time

What is the difference between choosing Computing (Common Entry) at Level 8 to Computing (Common Entry) at Level 7?

Students commencing on the Level 7 route will have completed their ordinary BSc degree in 3 years, while those who choose the Level 8 route will take 4 years to complete their honours BSc degree, with significant additional material being delivered in the fourth year to achieve the higher level award.

Contact Information

Department of Computing
T: +353 (0)66 719 1659
E: computingkerry@mtu.ie



Career Opportunities

Depending on their particular skillsets, our graduates find work in a variety of roles, including:

programmer/software developer with a games company, media or other technology enterprise; developer of digital media and audio/video content; database administrator; data analyst; web developer; web manager; network administrators; systems administrators; and computer technicians.



First Year at a Glance

- **Structured Programming:** introduces fundamentals of structured programming which lays the foundations for subsequent programming modules
- **Rapid Application Development:** helps the student understand the role of programming in application development
- **Web Development:** learn the skills and techniques necessary to design and create accessible web content using the latest languages and technologies
- **User Interfaces:** the fundamentals of User Interface Design (UI) and User Experience (UX), using design principles that encompass functionality and the user experience
- **Network Fundamentals:** the fundamentals of computer networking, the devices and protocols involved, from the physical through to the application layer
- **Database Concepts:** understanding of databases, database design, database management and the fundamentals of database programming
- **Mathematics:** general mathematical and statistical skills necessary/desirable to most areas in computing and other disciplines, to develop the student's logical thinking and to develop an analytical approach to problem solving
- **Operating Systems:** internals of a modern operating system at a practical level via command-line and graphical user interfaces



Computing with Games Development (Honours)

Ríomhaireacht le Forbairt Cluichí (Onóracha)

Application: CAO

CAO Code: MT 804

NFQ Level: 8

Award Title: Bachelor of Science (Honours) in Computing with Games Development

Duration: 4 Years (8 Semesters)

Places: 20

Location: MTU Kerry North Campus

Entry 2022

SCORE THE NECESSARY CAO POINTS AND MEET
MINIMUM LEAVING CERTIFICATE REQUIREMENTS
6 SUBJECTS

SUBJECTS 06/H7	SUBJECTS H5	MATHS GRADE	ENGLISH OR IRISH GRADE
4	2	04/H7	06/H7



Overview

This course will give you all the skills you need to work with computers and computer systems, providing the bedrock to a thriving career in the vibrant ICT sector, in Ireland and internationally. There are modules in Object Oriented Programming, Algorithms and Data Structures, Software Engineering, Computer Architecture, Operating Systems, Networks, Database Programming and Web Development. Given the games development specialisation, all of our students take additional modules in Games Development, Computer Graphics, 3D Animation, and Practical Gaming.

The ICT sector is going from strength to strength, both here and abroad, while Ireland continues to carve out an exciting niche in games development. The course provides a comprehensive range of integrated content that helps our students to build the skills that provide a solid foundation for both further study and a career in the ICT industry. Programming skills are fundamental to games development and the heavy bias towards programming in this course means that our graduates are very highly regarded in the industry. In addition to the right mix of skills, their workplace-oriented mindset gives them a keen edge in a highly competitive environment.

This course is delivered on the University's North Campus in Kerry, adjacent to Kerry Technology Park, where a number of new, exciting and highly successful technology enterprises are based. Our close links with these enterprises have been invaluable in providing employment opportunities for our graduates.

Further Studies

Suitably qualified Level 8 Honours graduates are eligible to progress to taught master programmes or to research at either master or PhD level.

Question Time

What is the difference between choosing Computing with Games Development at Level 8 to Computing with Games Development at Level 7?

Students commencing on the Level 7 route will have completed their ordinary BSc degree in 3 years, while those who choose the Level 8 route will take 4 years to complete their honours BSc degree, with significant additional material being delivered in the fourth year to achieve the higher level award.

Contact Information

Department of Computing
T: +353 (0)66 719 1659
E: computingKerry@mtu.ie



Career Opportunities

Depending on their particular skillsets, our graduates find work in a variety of roles, including:
programmer/software developer with a games company, media or other technology enterprise; developer of digital media and audio/video content; database administrator; network technician and administrator; web developer; web manager; and computer technicians.



First Year at a Glance

- **Structured Programming:** fundamentals of structured programming which lays the foundations for subsequent programming modules
- **Rapid Application Development:** understand the role of programming in application development
- **Web Development:** skills and techniques necessary to design and create accessible web content using the latest languages and technologies
- **User Interfaces:** demonstrates the fundamentals of User Interface Design (UI) and User Experience (UX), using design principles that encompass functionality and the user experience
- **Network Fundamentals:** fundamentals of computer networking, the devices and protocols involved, from the physical through to the application layer
- **Database Concepts:** understanding of databases, database design, database management and the fundamentals of database programming
- **Mathematics:** general mathematical and statistical skills necessary/desirable to most areas in computing and other disciplines, to develop the student's logical thinking and to develop an analytical approach to problem solving.



Computing with Games Development

Ríomhaireacht le Forbairt Cluichí

Application: CAO

CAO Code: MT 704

NFQ Level: 7

Award Title: Bachelor of Science in Computing with Games Development

Duration: 3 Years (6 Semesters)

Places: 20

Location: MTU Kerry North Campus



Entry 2022

SCORE THE NECESSARY CAO POINTS AND MEET
MINIMUM LEAVING CERTIFICATE REQUIREMENTS
5 SUBJECTS

SUBJECTS 06/H7	SUBJECTS H5	MATHS GRADE	ENGLISH OR IRISH GRADE
5	0	06/H7	06/H7

Overview

This course will give you all the skills you need to work with computers and computer systems, providing the bedrock to a thriving career in the vibrant ICT sector, in Ireland and internationally. There are modules in Object Oriented Programming, Algorithms and Data Structures, Software Engineering, Computer Architecture, Operating Systems, Networks, Database Programming and Web Development. Given the games development specialisation, all of our students take additional modules in Games Development, Computer Graphics, 3D Animation, and Practical Gaming.

The ICT sector is going from strength to strength, both here and abroad, while Ireland continues to carve out an exciting niche in games development. The course provides a comprehensive range of integrated content that helps our students to build the skills that provide a solid foundation for both further study and a career in the ICT industry. Programming skills are fundamental to games development and the heavy bias towards programming in this course means that our graduates are very highly regarded in the industry. In addition to the right mix of skills, their workplace-oriented mindset gives them a keen edge in a highly competitive environment.

This course is delivered on the University's North Campus in Kerry, adjacent to Kerry Technology Park, where a number of new, exciting and highly successful technology enterprises are based. Our close links with these enterprises have been invaluable in providing employment opportunities for our graduates.

Further Studies

Suitably qualified level 7 graduates are eligible to progress to year 4 (final year)

- BSc (Honours) in Computing with Games Development

Question Time

What is the difference between choosing Computing with Games Development at Level 8 to Computing with Games Development at Level 7?

Students commencing on the Level 7 route will have completed their ordinary BSc degree in 3 years, while those who choose the Level 8 route will take 4 years to complete their honours BSc degree, with significant additional material being delivered in the fourth year to achieve the higher level award.

Contact Information

Department of Computing
T: +353 (0)66 719 1659
E: computingKerry@mtu.ie



Career Opportunities

Depending on their particular skillsets, our graduates find work in a variety of roles, including:

programmer/software developer with a games company, media or other technology enterprise; developer of digital media and audio/video content; database administrator; network technician and administrator; web developer; web manager; and computer technicians.



First Year at a Glance

- **Structured Programming:** fundamentals of structured programming which lays the foundations for subsequent programming modules
- **Rapid Application Development:** understand the role of programming in application development
- **Web Development:** skills and techniques necessary to design and create accessible web content using the latest languages and technologies
- **User Interfaces:** demonstrates the fundamentals of User Interface Design (UI) and User Experience (UX), using design principles that encompass functionality and the user experience
- **Network Fundamentals:** fundamentals of computer networking, the devices and protocols involved, from the physical through to the application layer
- **Database Concepts:** understanding of databases, database design, database management and the fundamentals of database programming
- **Mathematics:** general mathematical and statistical skills necessary/desirable to most areas in computing and other disciplines, to develop the student's logical thinking and to develop an analytical approach to problem solving.



Computing with Software Development (Honours)

Ríomhaireacht le Forbairt Bogearraí (Onóracha)

Application: CAO

CAO Code: MT 801

NFQ Level: 8

Award Title: Bachelor of Science (Honours) in Computing with Software Development

Duration: 4 Years (8 Semesters)

Places: 20

Location: MTU Kerry North Campus



Entry 2022

SCORE THE NECESSARY CAO POINTS AND MEET
MINIMUM LEAVING CERTIFICATE REQUIREMENTS
6 SUBJECTS

SUBJECTS 06/H7	SUBJECTS H5	MATHS GRADE	ENGLISH OR IRISH GRADE
4	2	04/H7	06/H7

Overview

This degree is designed to give you the skill and competence to design and build applications used by business and consumers. The primary focus is on developing your ability to use programming languages. We cover computer architecture and operating systems, and we explore networking and how computers interconnect. We look at databases, mathematics, logic and software development, together with a range of additional modules, all of which address cutting edge ICT issues. In fourth year, students study a variety of modules at a more advanced level.

We provide the environment to allow those with a passion for software development to achieve their goals. Our programmes encourage you to follow your strengths and interests through a range of project activities that are embedded in course content. These projects, together with the emphasis on career development in the programmes, make studying computing at MTU deeply relevant to real life situations, providing you with the perfect launch pad for a successful career. Our graduates are skilled in both research methods and project management. They are team-workers, who have the skills to progress to project-leading activities.

This course is delivered on the University's North Campus in Kerry, adjacent to Kerry Technology Park, where a number of new, exciting and highly successful technology enterprises are based. Our close links with these enterprises have been invaluable in providing employment opportunities for our graduates.

Further Studies

Suitably qualified graduates are eligible to progress to taught master programmes or to research at either master or PhD level.

Question Time

What is the difference between choosing Computing with Software Development at Level 8 to Computing with Software Development at Level 7?

Students commencing on the Level 7 route will have completed their ordinary BSc degree in 3 years, while those who choose the Level 8 route will take 4 years to complete their honours BSc degree, with significant additional material being delivered in the fourth year to achieve the higher level award.

Contact Information

Department of Computing
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E: computingKerry@mtu.ie



Career Opportunities

Technology enterprises are looking for graduates with a combination of skills and graduates take up a wide variety of roles, including: programmer/software; developer in a technology enterprise; developer of digital media and audio/video content; network technician or administrator; database administrator; web developer or web manager; and self-employment in the ICT area.



First Year at a Glance

- **Structured Programming:** fundamentals of structured programming which lays the foundations for subsequent programming modules
- **Rapid Application Development:** understand the role of programming in application development
- **Web Development:** skills and techniques necessary to design and create accessible web content using the latest languages and technologies
- **User Interfaces:** demonstrates the fundamentals of User Interface Design (UI) and User Experience (UX), using design principles that encompass functionality and the user experience
- **Network Fundamentals:** fundamentals of computer networking, the devices and protocols involved, from the physical through to the application layer
- **Database Concepts:** understanding of databases, database design, database management and the fundamentals of database programming
- **Mathematics:** general mathematical and statistical skills necessary/desirable to most areas in computing and other disciplines, to develop the student's logical thinking and to develop an analytical approach to problem solving.



Computing with Software Development

Ríomhaireacht le Forbairt Bogearraí

Application: CAO

CAO Code: MT 701

NFQ Level: 7

Award Title: Bachelor of Science in Computing with Software Development

Duration: 3 Years (6 Semesters)

Places: 20

Location: MTU Kerry North Campus



Entry 2022

SCORE THE NECESSARY CAO POINTS AND MEET
MINIMUM LEAVING CERTIFICATE REQUIREMENTS
5 SUBJECTS

SUBJECTS 06/H7	SUBJECTS H5	MATHS GRADE	ENGLISH OR IRISH GRADE
5	0	06/H7	06/H7

Overview

This degree is designed to give you the skill and competence to design and build applications used by business and consumers. The primary focus is on developing your ability to use programming languages. We cover computer architecture and operating systems, and we explore networking and how computers interconnect. We look at databases, mathematics, logic and software development, together with a range of additional modules, all of which address cutting edge ICT issues.

We provide the environment to allow those with a passion for software development to achieve their goals. Our programmes encourage you to follow your strengths and interests through a range of project activities that are embedded in course content. These projects, together with the emphasis on career development in the programmes, make studying computing at MTU deeply relevant to real life situations, providing you with the perfect launch pad for a successful career. Our graduates are skilled in both research methods and project management. They are team-workers, who have the skills to progress to project-leading activities.

This course is delivered on the University's North Campus in Kerry, adjacent to Kerry Technology Park, where a number of new, exciting and highly successful technology enterprises are based. Our close links with these enterprises have been invaluable in providing employment opportunities for our graduates.

Further Studies

Suitably qualified Level 7 graduates are eligible to progress to year 4 (final year) of

- BSc (Honours) in Computing with Software Development

Question Time

What is the difference between choosing Computing with Software Development at Level 8 to Computing with Software Development at Level 7?

Students commencing on the Level 7 route will have completed their ordinary BSc degree in 3 years, while those who choose the Level 8 route will take 4 years to complete their honours BSc degree, with significant additional material being delivered in the fourth year to achieve the higher level award.

Contact Information

Department of Computing
T: +353 (0)66 719 1659
E: computingKerry@mtu.ie



Career Opportunities

Graduates take up a wide variety of roles, including: programmer/software; developer in a technology enterprise; developer of digital media and audio/video content; network technician or administrator; database administrator; web developer or web manager; and self-employment in the ICT area.



First Year at a Glance

- **Structured Programming:** fundamentals of structured programming which lays the foundations for subsequent programming modules
- **Rapid Application Development:** understand the role of programming in application development
- **Web Development:** skills and techniques necessary to design and create accessible web content using the latest languages and technologies
- **User Interfaces:** demonstrates the fundamentals of User Interface Design (UI) and User Experience (UX), using design principles that encompass functionality and the user experience
- **Network Fundamentals:** fundamentals of computer networking, the devices and protocols involved, from the physical through to the application layer
- **Database Concepts:** understanding of databases, database design, database management and the fundamentals of database programming
- **Mathematics:** general mathematical and statistical skills necessary/desirable to most areas in computing and other disciplines, to develop the student's logical thinking and to develop an analytical approach to problem solving.



IT Management (Honours)

Bainistíocht TF (Onóracha)

Application: CAO

CAO Code: MT 805

NFQ Level: 8

Award Title: Bachelor of Science (Honours) in IT Management

Duration: 4 Years (8 Semesters)

Places: 30

Location: MTU Bishopstown Campus, Cork



The first year curriculum is common for all degrees in the Department of Computer Science, MTU Bishopstown Campus. All first year students study the same modules and this means that students can transfer to another programme within the Department in year two if they meet the CAO entry requirements for that programme when they enter MTU Bishopstown Campus, Cork. This offers great flexibility for qualifying students who may wish to change programmes after year one. This flexibility allows a student to make a more informed decision one year into their studies.

Overview

The programme provides students with the knowledge, skills and competencies in IT infrastructure and cybersecurity and is designed around five key strategic pillars; Cyber Security, Networking, Cloud Computing Technologies, Automation, and IT Management. In year 3, work placement begins in January. Placements for students are organised on a country-wide basis with a particular focus on Cork and Dublin. Students may also choose to work abroad. With the Erasmus programme, students travel to study at MTU from across Europe and many MTU students travel to study beyond our shores. The department has strong links with institutions in Germany, Sweden, France, and Finland.

The programme provides graduates with both the management and technical skills to work in a wide range of organisations. At a time when reliance on secure IT systems grows more critical, there is an increasing need for graduates with the skills required to manage IT services and implement complex projects securely. This programme is specifically designed to address these needs.

Further Studies

Suitably qualified graduates may apply for postgraduate research degrees at master (MSc) or doctoral (PhD) level, or the following taught master degrees

- MSc in Cybersecurity
- MSc in Cybersecurity Management
- MSc in Information Design & Development
- MSc in Cloud Computing

Contact Information

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Question Time

What makes MT 805 different from the other Computer Science Honours Degrees at MTU?

It has a strong focus on security, networking and IT management and less on software development.

Are there scholarships available for the programme?

Yes, there are two scholarships.

1. McKesson Women in IT Scholarship

The McKesson Women in IT Scholarship is awarded each year to the female Leaving Certificate student with the highest CAO points entering a programme in the Department of Computer Science MTU Bishopstown Campus. The scholarship will be paid to the recipient for each year of her undergraduate degree programme along with mentoring, internship and networking opportunities at McKesson Cork.

2. Yves Beretta Memorial Scholarship

Registered students who successfully complete year 1 of this programme may apply for the Yves Beretta Memorial Scholarship which is funded by Canadian based cyber security company, eSentire, whose European headquarters is based in Ballincollig, Co. Cork.

What level of programming is contained in the course?

Programming is not the primary focus of this programme. You will cover some basic programming modules in first year.

Can I design and develop websites from this programme?

Some modules in this degree focus on building and running basic websites. More advanced specialised modules in web development are also available as electives.

Entry 2022

SCORE THE NECESSARY CAO POINTS AND MEET
MINIMUM LEAVING CERTIFICATE REQUIREMENTS
6 SUBJECTS

SUBJECTS 06/H7	SUBJECTS H5	MATHS GRADE	ENGLISH OR IRISH GRADE
4	2	06/H7	06/H7



Career Opportunities

You will have career opportunities with large multinationals such as Dell, VMware, McKesson, eSentire, Blackberry, Pzifers and also with indigenous companies such as AIB, Musgrave, and Eircom. You will be qualified to work across a range of industries in which there is a need for cybersecurity, network operations and IT Management. On completion of this programme, your core skills will be implementing, managing and securing complex networking and IT systems. A core element of this programme also provides you with the knowledge and skills to interact with management teams and act as an interface between technology teams and the other business functions in medium and large enterprises.

- IT project manager
- Cybersecurity specialist
- IT Security engineer
- Network manager
- System manager



First Year at a Glance

The first year curriculum is a common curriculum for all students and focuses on the fundamentals of computer science. Modules include:

- Programming Fundamentals
- Web Development Fundamentals
- Computer Architecture
- Computer Security Principles
- Maths for Computer Science
- Modular Programming
- Introduction to Databases
- Operating Systems in Practice
- Networking Fundamentals
- Physical Computing



Information Technology

Teicneolaíocht Faisnéise

Application: CAO

CAO Code: MT 705

NFQ Level: 7

Award Title: Bachelor of Science in Information Technology

Duration: 3 Years (6 Semesters)

Places: 40

Location: MTU Bishopstown Campus, Cork



Entry 2022

SCORE THE NECESSARY CAO POINTS AND MEET
MINIMUM LEAVING CERTIFICATE REQUIREMENTS
5 SUBJECTS

SUBJECTS 06/H7	SUBJECTS H5	MATHS GRADE	ENGLISH OR IRISH GRADE
5	0	06/H7	06/H7

The first year curriculum is common for all degrees in the Department of Computer Science, MTU Bishopstown Campus. All first year students study the same modules and this means that students can transfer to another programme within the Department in year two if they meet the CAO entry requirements for that programme when they enter MTU Bishopstown Campus, Cork. This offers great flexibility for qualifying students who may wish to change programmes after year one. This flexibility allows a student to make a more informed decision one year into their studies.

Overview

The programme provides students with the knowledge, skills and competencies in IT infrastructure, security, emerging technologies, systems management, database systems and IT applications. The programme is designed around five key strategic pillars; Networking, Security, Cloud Computing Technologies, Scripting and Database Systems. The students who enrol on this programme will study modules aligned to the above areas.

Students will also learn about Information Security, a rapidly expanding sector in the computer industry. As more technology goes online, students will learn how secure private and sensitive information is most at risk from cyberattacks. The aim of the degree is to produce graduates with skills in IT infrastructure, operating systems, systems administration, cloud computing technologies and cybersecurity. Graduates will be able to design, deploy and administer virtualised environments, deploy and configure networks, and secure IT infrastructures and IT Systems. At a time of increasing reliance on IT services, the demand for graduates with the skills to implement and maintain IT infrastructure remains high. This programme is specifically designed to address this need.

In Year 3, work placement runs from January. Placements for students are organised on a country-wide basis with a particular focus on Cork and Dublin. Students can also work abroad.

Further Studies

Graduates who have achieved an average of 50% are eligible to apply for year 4 (final year) of

- BSc (Honours) in IT Management (MT 805)

Contact Information

Dr Olivia Brickley
T: +353 (0)21 433 5582
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Question Time

On successful completion of the programme, am I qualified as an IT technician?

Yes. You will learn hands-on the skills required to implement, maintain and secure computer networks, hardware, databases, web services and applications.

Can I work in the Games Development industry with this programme?

This programme is not designed to equip its graduates with the skills needed in a developmental or programming role.

What level of programming is contained in the programme?

Programming is not the primary focus of this programme. You will cover some basic programming modules in first year.

Does MTU have an established Erasmus programme?

MTU has a long and successful association with the Erasmus programme. Every year, students travel to study at MTU from across Europe and many MTU students travel to study beyond our shores. The Department of Computer Science has strong links with institutions in Germany, Sweden, France, and Finland.

What makes MT 705 different from the Computer Science Honours Degrees (Level 8) at MTU?

MT 705 is a Level 7 Information Technology degree which has a Higher Certificate option for successful students who wish to leave after two years of study.



Career Opportunities

Graduates who can coordinate and supervise the configuration, testing and deployment of IT Services and the ongoing support of those systems and their users are in constant demand.

- IT Support engineer
- Database administrator
- Network administrator
- System administrator



First Year at a Glance

The first year curriculum is a common curriculum for all students and focuses on the fundamentals of Computer Science. Modules include:

- Programming Fundamentals
- Web Development Fundamentals
- Computer Architecture
- Computer Security Principles
- Maths for Computer Science
- Modular Programming
- Introduction to Databases
- Operating Systems in Practice
- Networking Fundamentals
- Physical Computing



Software Development (Honours)

Forbairt Bogearraí (Onóracha)

Application: CAO

CAO Code: MT 800

NFQ Level: 8

Award Title: Bachelor of Science (Honours) in Software Development

Duration: 4 Years (8 Semesters)

Places: 40

Location: MTU Bishopstown Campus, Cork



Entry 2022

SCORE THE NECESSARY CAO POINTS AND MEET
MINIMUM LEAVING CERTIFICATE REQUIREMENTS
6 SUBJECTS

SUBJECTS 06/H7	SUBJECTS H5	MATHS GRADE	ENGLISH OR IRISH GRADE
4	2	03/H7	06/H7

The first year curriculum is common for all degrees in the Department of Computer Science, MTU Bishopstown Campus. All first year students study the same modules and this means that students can transfer to another programme within the Department in year two if they meet the CAO entry requirements for that programme when they enter MTU Bishopstown Campus, Cork. This offers great flexibility for qualifying students who may wish to change programmes after year one. This flexibility allows a student to make a more informed decision one year into their studies.

Overview

This programme gives you the skills and knowledge you need to design and build applications that people use every day, for the desktop computer, for the web and for mobile devices (such as smart phones and tablets). You will become proficient in the application of state-of-the-art technologies in areas such as cloud computing, machine learning, big data and data analytics. As a Software Developer, you will be involved in all stages of the application from start to finish. You will be taught how to take a concept/idea from a description and develop it to make a fully working application. You will develop problem solving and programming skills to solve simple (and eventually complex) real-world problems using computers.

One of the benefits of this Honours Degree is that it has a broad range of modules. The main focus of the degree is programming, so you will learn languages such as Python, Java, C, JavaScript and PHP. You will also learn about databases (where and how data is stored), operating systems, object-oriented programming, application development, software testing, data analytics and many more topics. You can also take elective modules in a selection of areas. You will complete projects on your own and in groups throughout the degree, which will prepare you for working in industry.

In Year 3, students go on work placement from January. Placements for students are organised on a country-wide basis with a particular focus on Cork and Dublin. Students have also obtained placement in other countries such as France, Germany, Sweden and the USA.

Contact Information

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Further Studies

Suitably qualified graduates may apply for postgraduate research degrees at master (MSc) or doctoral (PhD) level where further specialisation in your preferred area of Computer Science is possible. Suitably qualified graduates may also apply for these taught programmes:

- MSc in Software Architecture & Design
- MSc in Cybersecurity
- MSc in Information Design & Development
- MSc in Cloud Computing
- MSc in Artificial Intelligence

Question Time

What makes MT 800 different from the other Computer Science Honours Degrees at MTU Bishopstown Campus?

The focus is on acquiring the skills and knowledge required to become a software developer.

Are there scholarships available for the programme?

Yes, there are two scholarships. The McKesson Women in IT Scholarship is awarded each year to the female Leaving Certificate student with the highest CAO points entering a programme. Registered students who successfully complete Year 2 of this programme may apply for the Alejandro de la Flor Memorial Scholarship which is funded by McAfee.

What level of Programming is contained in the programme?

Programming and Software Development are a crucial part of the programme, accounting for roughly a quarter of the mandatory modules.

Can I work in the Games Development Industry with this programme?

Yes, the games industry requires interdisciplinary teams when developing new products. A graduate with good software development skills and in particular, programming skills would be a major asset to such a team. We also offer a Games Development elective module.



Career Opportunities

Software Development graduates work in a diverse range of roles. You will have career opportunities in Cork, Ireland and abroad, with large multinationals (such as IBM, Dell EMC, McAfee, Johnson Controls), and also with smaller Irish companies. Graduates have also found employment within large IT departments in companies within the Chemical, Pharmaceutical or Food Industry. Graduates have also moved into roles in System Administration and Software Testing. A percentage of graduates from the programme chose to take up jobs in the Software Industry abroad.

- Application developer
- Applications engineer
- Software engineer
- Software developer
- Java developer
- Mobile App developer
- Full-Stack developer
- Software Project manager



First Year at a Glance

The first year curriculum is a common curriculum for all students and focuses on the fundamentals of Computer Science.

Modules include:

- Programming Fundamentals
- Web Development Fundamentals
- Computer Architecture
- Computer Security Principles
- Maths for Computer Science
- Modular Programming
- Introduction to Databases
- Operating Systems in Practice
- Networking Fundamentals
- Physical Computing
- Discrete Mathematics



Software Development

Forbairt Bogearraí

Application: CAO

CAO Code: MT 700

NFQ Level: 7

Award Title: Bachelor of Science in Software Development

Duration: 3 Years (6 Semesters)

Places: 40

Location: MTU Bishopstown Campus, Cork



Entry 2022

SCORE THE NECESSARY CAO POINTS AND MEET
MINIMUM LEAVING CERTIFICATE REQUIREMENTS
5 SUBJECTS

SUBJECTS 06/H7	SUBJECTS H5	MATHS GRADE	ENGLISH OR IRISH GRADE
5	0	06/H7	06/H7

The first year curriculum is common for all degrees in the Department of Computer Science, MTU Bishopstown Campus. All first year students study the same modules and this means that students can transfer to another programme within the Department in year two if they meet the CAO entry requirements for that programme when they enter MTU Bishopstown Campus, Cork. This offers great flexibility for qualifying students who may wish to change programmes after year one. This flexibility allows a student to make a more informed decision one year into their studies.

Overview

The BSc in Software Development is a three-year Level 7 degree programme designed to provide students with the theoretical and practical skills necessary to gain employment in the software development industry. More specifically, the programme will provide students with relevant skills and knowledge in the area of modern software development focusing on languages, techniques, tools and methodologies and their application to real world problems.

The aim of the programme is to provide students with the competencies necessary to support a successful career in the software development industry. The degree provides students with analytical skills as well as an in-depth understanding of modern programming languages, tools and methods. The students' education is also supported in other related areas to ensure the capability to progress their careers in the long term.

In Year 3, work placement runs from January. Placements for students are organised on a country-wide basis with a particular focus on Cork and Dublin. Students can also work abroad.

The main focus of the degree is programming, so you will learn languages such as Python, Java, C and PHP. You will also learn about databases (where and how data is stored), operating systems, object-oriented programming, application development, software testing and many more topics. You will complete projects on your own and in groups throughout the degree, which is similar to working in industry.

Further Studies

Graduates who have achieved an average of 50% are eligible to apply for year 4 (final year) of

- BSc (Honours) in Software Development

Question Time

Can I work in the Games Development Industry with this programme?

Yes, the skills acquired in completing the course in software development and programming are very applicable to the games development industry.

What level of Programming is contained in the programme?

Programming and Software Engineering are a crucial part of the programme.

Can I design and develop websites from this programme?

You will learn about web publishing and development and will be designing and developing websites by the end of the programme.

Will I be designing Apps?

You will take the Programming Mobile Devices module in Year 3. In this module you will learn how to develop mobile applications for Android based devices.

What makes MT 700 different from the Computer Science Honours Degrees (Level 8) at MTU?

MT 700 is a Level 7 Software Development degree which has a Higher Certificate option for successful students who wish to leave after two years of study.

Contact Information

Dr Ignacio Castiñeiras
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E: ignacio.castineiras@mtu.ie



Career Opportunities

Graduates primarily move on to complete an Honours Degree in Software Development. However, others have gained employment as Graduate Software Developers and Graduate Networking Engineers.

- Software developer
- Software tester
- Software support engineer
- Web developer
- DBMS developer

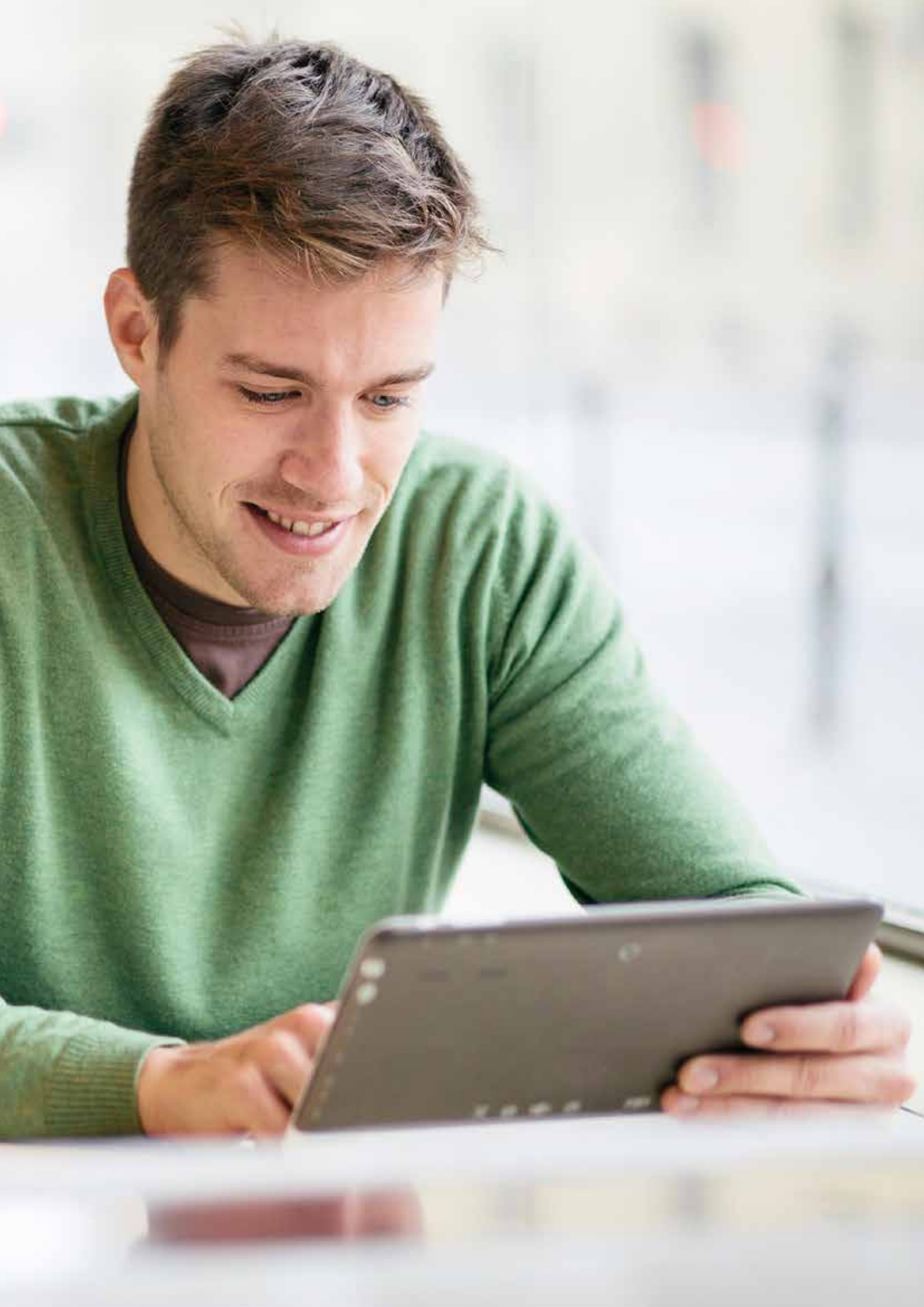


First Year at a Glance

The first year curriculum is a common curriculum for all students and focuses on the fundamentals of Computer Science. Modules include:

- Programming Fundamentals
- Web Development Fundamentals
- Computer Architecture
- Computer Security Principles
- Maths for Computer Science
- Modular Programming
- Introduction to Databases
- Operating Systems in Practice
- Networking Fundamentals
- Physical Computing







Art, Design, and Creative Media

Succeeding Together

CAO Code	NFQ Level	Course	Page
MT 811	8	Bachelor of Arts (Honours) in Animation, Visual Effects and Motion Design	164
MT 711	7	Bachelor of Arts in Animation, Visual Effects and Motion Design	165
MT 820	8	Bachelor of Arts (Honours) in Contemporary Applied Art (Ceramics, Glass, Textiles)	166
MT 824	8	Bachelor of Arts (Honours) in Creative Digital Media	167
MT 821	8	Bachelor of Arts (Honours) in Fine Art	168
MT 822	8	Bachelor of Arts (Honours) in Photography with New Media	169
MT 812	8	Bachelor of Arts (Honours) in TV, Radio and New Media	170
MT 712	7	Bachelor of Arts in TV, Radio and New Media	171
MT 823	8	Bachelor of Arts (Honours) in Visual Communications	172

Symbol Key:



Work Placement



Progression to the next NFQ level



Garda Vetting



Medical Required



Exit Award

Animation, Visual Effects and Motion Design (Honours)

Beochan, Maisíochtaí Físe agus
Dearadh Gluaisne (Onóracha)

Application: CAO (restricted)

CAO Code: MT 811

NFQ Level: 8

Award Title: Bachelor of Arts (Honours) in Animation, Visual Effects & Motion Design

Duration: 4 Years (8 Semesters)

Places: 24

Location: MTU Kerry North Campus



Entry 2022

SCORE THE NECESSARY CAO POINTS AND MEET
MINIMUM LEAVING CERTIFICATE REQUIREMENTS
6 SUBJECTS

SUBJECTS 06/H7	SUBJECTS H5	MATHS GRADE	ENGLISH OR IRISH GRADE
4	2	06/H7	06/H7

PORTFOLIO IS REQUIRED

For details see www.mtu.ie/MT811

NOTE: Applications will be assessed based on a combination of Leaving Certificate points and points awarded for portfolio.

We reserve the right to interview if the successful applicant numbers exceed places available.

Overview

This course gives you up-to-the minute skills and industry relevant training in the animation and visual effects sector. It will introduce you to the core principles of creative film making, animation and visual storytelling.

Ireland has one of the fastest growing animation sectors in the world and some of the largest animation companies are based here. This degree gives you the necessary practical and technical skills for employment in this rapidly expanding sector. There are modules on drawing/character development, illustration, design, character modelling, animation principles, puppet/set design, stop motion, digital graphics, visual effects, motion graphics, compositing, 2D/3D modelling, rigging, texturing, lighting, photography and digital cinematography. The course also provides training in video, audio recording, research and design skills. As you progress through the programme, you develop particular specialisations based on your interests and skills.

This degree gives you the core skills to launch a career in Ireland's vibrant animation, games and visual effects industry. The content has been designed with extensive input from industry animators, in order to make sure our graduates have the skills that employers need. The degree is designed to foster creative talent in a technology-driven environment, enabling our students to design and develop animation content while working with the latest industry standard software. You get hands-on, practical, applied training, and an appreciation of relevant theories underpinning the evolution of animation, visual effects and motion design.

Further Studies

Suitably qualified Level 8 graduates are eligible to progress to taught master programmes or to research at either master or PhD level.

Contact Information

Department of Creative Media and
Information Technology
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E: creativemediakerry@mtu.ie



Career Opportunities

Our graduates pursue careers in

- Animation
- Film
- Games
- TV
- Web animation
- Mobile and online content
- Advertising



First Year at a Glance

- Social Media Tools and Enterprise Studies: fosters digital media and entrepreneurial skills as well as promoting communication, innovation and creativity
- 2D Animation: introduces the student to the principles of animation
- Sound and Digital Audio: develops recording, editing and mixing skills to a basic level
- New Media Concepts: history, development and uses of media (radio/film/games/tv/multimedia)
- Drawing and Modelling 1: a grounding in hand drawn/modelling skills, with a view to creating analytical and imaginative compositions that are technically and aesthetically accomplished
- Principles of Animation, Visual Effects and Motion Design: a grounding in the interrelated programme strands



Animation, Visual Effects and Motion Design

Beochan, Maisíochtaí Físe agus
Dearadh Gluaisne

Application: CAO (restricted)

CAO Code: MT 711

NFQ Level: 7

Award Title: Bachelor of Arts in Animation, Visual Effects & Motion Design

Duration: 3 Years (6 Semesters)

Places: 24

Location: MTU Kerry North Campus



Entry 2022

SCORE THE NECESSARY CAO POINTS AND MEET
MINIMUM LEAVING CERTIFICATE REQUIREMENTS
5 SUBJECTS

SUBJECTS 06/H7	SUBJECTS H5	MATHS GRADE	ENGLISH OR IRISH GRADE
5	0	06/H7	06/H7

PORTFOLIO IS REQUIRED

For details see www.mtu.ie/MT711

NOTE: Applications will be assessed based on a combination of Leaving Certificate points and points awarded for portfolio.

We reserve the right to interview if the successful applicant numbers exceed places available.

Overview

This course gives you up-to-the minute skills and industry relevant training in the animation and visual effects sector. It will introduce you to the core principles of creative film making, animation and visual storytelling.

Ireland has one of the fastest growing animation sectors in the world and some of the largest animation companies are based here. This degree gives you the necessary practical and technical skills for employment in this rapidly expanding sector. There are modules on drawing/character development, illustration, design, character modelling, animation principles, puppet/set design, stop motion, digital graphics, visual effects, motion graphics, compositing, 2D/3D modelling, rigging, texturing, lighting, photography and digital cinematography. The course also provides training in video, audio recording, research and design skills. As you progress through the programme, you develop particular specialisations based on your interests and skills.

This degree gives you the core skills to launch a career in Ireland's vibrant animation, games and visual effects industry. The content has been designed with extensive input from industry animators, in order to make sure our graduates have the skills that employers need. The degree is designed to foster creative talent in a technology-driven environment, enabling our students to design and develop animation content while working with the latest industry standard software. You get hands-on, practical, applied training, and an appreciation of relevant theories underpinning the evolution of animation, visual effects and motion design.

Further Studies

Suitably qualified Level 7 graduates are eligible to progress to year 4 (final year)

- BA (Honours) in Animation, Visual Effects and Motion Design

Contact Information

Department of Creative Media and
Information Technology

T: +353 (0)66 719 1659

E: creativemediakerry@mtu.ie



Career Opportunities

Our graduates pursue careers in

- Animation
- Film
- Games
- TV
- Web animation
- Mobile and online content
- Advertising



First Year at a Glance

- Social Media Tools and Enterprise Studies: fosters digital media and entrepreneurial skills as well as promoting communication, innovation and creativity
- 2D Animation: introduces the student to the principles of animation
- Sound and Digital Audio: develops recording, editing and mixing skills to a basic level
- New Media Concepts: history, development and uses of media (radio/film/games/tv/multimedia)
- Drawing and Modelling 1: a grounding in hand drawn/modelling skills, with a view to creating analytical and imaginative compositions that are technically and aesthetically accomplished
- Principles of Animation, Visual Effects and Motion Design: a grounding in the interrelated programme strands



Contemporary Applied Art (Ceramics, Glass, Textiles) (Honours)

Ealaín Fheidhmeach Chomhaimseartha (Criadóireacht, Gloine, Teicstílí) (Onóracha)

Application: CAO (restricted)

CAO Code: MT 820

NFQ Level: 8

Award Title: Bachelor of Arts (Honours) in Contemporary Applied Art (Ceramics, Glass, Textiles)

Duration: 4 Years (8 Semesters)

Places: 15

Location: MTU Crawford College of Art & Design, Sharman Crawford Street, Cork

Entry 2022

MINIMUM LEAVING CERTIFICATE REQUIREMENTS
6 SUBJECTS

SUBJECTS 06/H7	SUBJECTS H5	MATHS GRADE	ENGLISH OR IRISH GRADE
4	2	NOTE 1	06/H7

PORTFOLIO IS REQUIRED

For details, visit crawford.mtu.ie

Offers are made based on the portfolio assessment results to applicants who meet the academic minimum entry requirements as outlined above.

NOTE 1: There is no specific requirement for Maths. A Grade F2 or higher in foundation level Maths is recognised as one of the subjects for entry.



Overview

Contemporary Applied Art (Ceramics, Glass & Textiles) encourages fresh ideas, inventive use of materials and techniques, and offers students the opportunity to critically engage with making.

This is an innovative interdisciplinary programme with an emphasis in three main material areas, ceramics, glass, and textiles, either as a chosen specialism, or in combination. This course offers a creative and playful approach to materials and idea development with a strong emphasis on practical skills, conceptual development and self-directed exploration.

The delivery of this course is modular and centred on 'thinking through making' including: skills development workshops, lectures, group seminars, tutorials, peer and independent learning. In their final year students will be expected to develop and execute an original body of work to a high standard and undertake a written thesis which explores the intellectual aspects and implications of the work. In the final year also, students undertake a professional practice module, which is delivered by an international curator to teach students how to present their work to the professional world.

Students are encouraged to pursue opportunities within the programme for international exchange and placement. The Crawford has extensive facilities; excellent specialised workshops, digital labs, individual studio space, and a specialised visual arts library; which with the experienced artist and educator lecturing staff makes the College a vibrant place to study and grow.

Further Studies

Suitably qualified graduates are eligible to apply for

- Professional Master of Education (Art and Design)
- MA in Art Therapy
- MA in Art & Process
- MA in Journalism and Digital Content Creation
- MA in Public Relations with New Media
- MA in E-learning Design and Development
- MA by Research
- PhD

For details, see crawford.mtu.ie

Question Time

What are the application deadlines?

The deadline for applicants applying through the CAO is 1st February (5.15pm), after which they will receive an invitation to submit their portfolio for assessment in March.

MTU CCAD will accept applications from mature applicants up to the 1st May (5.15pm).

Is there a late application facility?

It is very important to note that the CAO Change of Mind facility does not apply to restricted access courses such as MT 820. You can change the order of your CAO choices but you cannot add on this course if you haven't listed it already on your CAO application before the 1st February at 5.15pm.

Is there any written exam?

There are no formal (sit-down) exams. However, there are many academic modules where assessment is in essay, report, seminar paper, thesis format.

Does the College provide all the materials for coursework?

We have stores in the College providing papers, canvas, paint, clay, inks etc. where students can purchase materials.

Contact Information

Trish Brennan
T: +353 (0)21 433 5200
E: Crawford.enquiries@mtu.ie



Career Opportunities

This degree can potentially lead to a wide variety of career opportunities across a range of art industries, eg:

- Working as an artist, creating unique artefacts for exhibition and commission
- Art professional within museums and galleries
- Education
- Running workshops, such as exhibiting artist/designer/maker
- Art professional e.g. curator/arts administrator
- Educator – requires further postgraduate study.



First Year at a Glance

- Introduction to Art History: history of western art; modernity and visual culture; seminars including site visits to local galleries and cultural institutes
- Introduction to Art Processes: learning to use and express yourself in a variety of media, ceramics, glass, textiles, and one of the following: print, photography, drawing, digital media
- Formal Visual Elements: making of 3D and sculptural pieces; making & constructing objects and the relationship these objects have to the space they exist within
- Drawing: developing a personal understanding of visual language through objective/non-objective drawing
- Introduction to Studio: explore ideas through a range of materials, combined with specific workshops in the fundamental processes of ceramics, glass and textiles
- IT for Artists: provides the learner with a foundation in IT as it relates to visual arts practice



Creative Digital Media (Honours)

Meáin Dhigiteacha Chruthaitheacha (Onóracha)

Application: CAO

CAO Code: MT 824

NFQ Level: 8

Award Title: Bachelor of Arts (Honours) in Creative Digital Media

Duration: 4 Years (8 Semesters)

Places: 40

Location: MTU Bishopstown Campus, Cork



Overview

Creative digital media combines the creativity of art and design with the skills and knowledge of computer technologies and programming to create interactive digital media products. Creative digital media comes in many different formats. It can be almost anything you can hear or see like text, image, music, sound, video, film, animation, and more. By combining media, content and interactivity, those interested in creative digital media can take on and work with a variety of media forms to get their content to communicate across a variety of platforms and in some cases perform interactive experiences.

You will be introduced to the most up-to-date design and media industry software and hardware. The course will also support the development of contemporary critical awareness to assist you in your academic studies. You will be given the opportunity to develop your presentation skills and learn to create innovative creative digital media projects. You will produce projects in digital media design, video production, music technology, computer programming, digital marketing, media business, animation, virtual reality, user experience (UX), user interface design (UI), digital culture and much more!

The work placement (minimum of 13 weeks in year 3) is supported by a member of academic staff in MTU together with a workplace mentor. The aim of the work placement is to introduce the student to structured employment in a relevant work sector and to develop the student's understanding of the organisation, its procedures and technology. Students may also choose to study abroad on an Erasmus exchange instead of the work placement.

Further Studies

Suitably qualified graduates are eligible to apply for

- MA in Public Relations with New Media
- MA in Journalism and Digital Content Creation
- MA in E-learning Design and Development
- MA by Research
- PhD

For details, see crawford.mtu.ie

Question Time

What is the difference between Visual Communications (MT 823) and Creative Digital Media (MT 824)?

Visual Communications is a graphic design course that focuses on creative design for the printed and electronic media.

Creative Digital Media investigates a broader spectrum and focuses on areas such as digital media design, digital media technology, video production, music technology, computer programming, digital marketing, media business, animation, virtual reality, user experience (UX), user interface design (UI) and digital culture.

Is the Creative Digital Media course diverse?

Yes, it is a diverse course, allowing you to study in a variety of disciplines for example, music technology, electronics, digital technology, computing, marketing and business and much more. You will work in cutting edge areas such as virtual and augmented reality and tangible computing.

Contact Information

Brian Doyle
T: +353 (0)21 433 5810
E: brian.doyle@mtu.ie

Entry 2022

SCORE THE NECESSARY CAO POINTS AND MEET
MINIMUM LEAVING CERTIFICATE REQUIREMENTS
6 SUBJECTS

SUBJECTS 06/H7	SUBJECTS H5	MATHS GRADE	ENGLISH OR IRISH GRADE
4	2	06/H7	06/H7



Career Opportunities

Areas of specialist employment include

- E-learning
- Game and app development
- 3D design
- Animation
- Interactive programming
- Audio technology
- Video and Film Producer
- User Experience Design
- Virtual Reality

Many graduates also continue to the higher diploma and/or master level to progress their career.



First Year at a Glance

- Web Design Basics: interactive web design – HTML and CSS
- Moving Image & Sound: introduction to the theories and practical application of time-based AV media production
- Creative & Enterprise: the study of business systems, operations and enterprise. Learning communication and business writing skills
- Design Basics: visual design solutions for basic media design problems
- Introduction to Digital Media: knowledge and practical use of digital media formats and devices
- Media Group Project: projects involving actual or virtual scenarios, simple games, animations, and video and audio for interactive applications
- Project Management: this module introduces students to the theory and practice of project management
- Introduction to AV Technology: the study of audio and video technology – audio video recording, storage and editing equipment and processes
- Interaction & Media: developing content for web browsers, interactive media players
- Electives include: Film Language; Media Design; Animation Principles; and Interface Design



Fine Art (Honours)

Mhínealaín (Onóracha)

Application: CAO (restricted)

CAO Code: MT 821

NFQ Level: 8

Award Title: Bachelor of Arts (Honours) in Fine Art

Duration: 4 Years (8 Semesters)

Places: 45

Location: MTU Crawford College of Art & Design, Sharman Crawford Street, Cork



Entry 2022

MINIMUM LEAVING CERTIFICATE REQUIREMENTS 6 SUBJECTS

SUBJECTS 06/H7	SUBJECTS H5	MATHS GRADE	ENGLISH OR IRISH GRADE
4	2	NOTE 1	06/H7

PORTFOLIO IS REQUIRED

For details, visit crawford.mtu.ie

Offers are made based on the portfolio assessment results to applicants who meet the academic minimum entry requirements as outlined above.

NOTE 1: There is no specific requirement for Maths. A Grade F2 or higher in foundation level Maths is recognised as one of the subjects for entry.

Overview

This studio-based programme prepares students for the professional world of contemporary art; learning how to make, experiment, research and critique art. Students will explore and engage with: painting, drawing, sculpture, print, photography, performance, sound, video, and digital media in varied contexts. Students are encouraged to experiment with a wide range of media in order to develop their individual art practice.

The course has an emphasis on individual creative development. Students are introduced to the skills and philosophies of the practicing artist. The course supports the development of studio practice enabling students to position their artwork in terms of art history and contemporary critical thought.

Students can choose from a wide range of media including: painting, sculpture, photography, film, video, digital media, sound, print, performance, and/or drawing, and will be trained in the processes and facilities available in the College's excellently equipped workshops.

Fine Art offers very varied career paths. The course aims to instil individualism and independence preparing students for active careers in the visual arts or for further study to master's degree level.

Further Studies

Suitably qualified graduates are eligible to apply for:

- Professional Master of Education (Art and Design)
- MA in Art Therapy
- MA in Art & Process
- MA in Journalism and Digital Content Creation
- MA in Public Relations with New Media
- MA in E-learning Design and Development
- MA by Research
- PhD

For details, see crawford.mtu.ie

Question Time

What are the application deadlines?

The deadline for applicants applying through the CAO is 1st February (5.15pm), after which they will receive an invitation to submit their portfolio for assessment in March.

MTU CCAD will accept applications from mature applicants up to the 1st May (5.15pm).

Is there a late application facility?

It is very important to note that the CAO Change of Mind facility does not apply to restricted access courses such as MT 821. You can change the order of your CAO choices but you cannot add on this course if you haven't listed it already on your CAO application before the 1st February at 5.15pm.

I might like to go on an Erasmus programme, is this possible with this course?

Yes, the Crawford has links with many European colleges and facilitate students to exchange on Erasmus programmes annually.

Is there specialism within this course e.g. Fine Art Print?

This programme offers students the opportunity to work across a range of media or specialise in their chosen media: painting, drawing, photography, sculpture, film and performance.

Is there any written exam?

There are no formal (sit-down) exams. However, there are many academic modules where assessment is in essay, report, seminar paper/thesis format.

Does the College provide all the materials for coursework?

We have stores in the College providing papers, canvas, paint, clay, inks etc. where students can purchase materials.

Contact Information

Trish Brennan
T: +353 (0)21 433 5200
E: Crawford.enquiries@mtu.ie



Career Opportunities

Graduates may develop professional careers in areas such as: artist practice; arts education; arts administration & management; curation; community arts; and art criticism.

Many graduates also continue to the higher diploma and/or master level to progress their career.



First Year at a Glance

- Introduction to Art History: history of Western Art; Modernity and visual culture; including seminars and visits to local galleries and arts institutions
- Introduction to Art Processes: learning to use and express yourself in a variety of media including: print, photography, drawing and digital media
- Formal Visual Elements: making of 3D and sculptural pieces; making & constructing objects and the relationship these objects have to the space they exist within
- Drawing: developing a personal understanding of visual language through objective/non-objective drawing
- Fine Art Studio: the initiation and application of visual research strategies towards the making and presentation a personal body of work
- Art in Context: introduction to art when working in a broad, social, cultural, and environmental context



Photography with New Media (Honours)

Grianghrafadóireacht leis na Meáin Nua
(Onóracha)

Application: CAO (restricted)

CAO Code: MT 822

NFQ Level: 8

Award Title: Bachelor of Arts (Honours) in Photography with New Media

Duration: 4 Years (8 Semesters)

Places: 20

Location: MTU Crawford College of Art and Design, Envision Centre, Sober Lane, Cork



Entry 2022

MINIMUM LEAVING CERTIFICATE REQUIREMENTS
6 SUBJECTS

SUBJECTS 06/H7	SUBJECTS H5	MATHS GRADE	ENGLISH OR IRISH GRADE
4	2	NOTE 1	06/H7

PORTFOLIO IS REQUIRED

For details, visit crawford.mtu.ie

Offers are made based on the portfolio assessment results to applicants who meet the academic minimum entry requirements as outlined above.

NOTE 1: There is no specific requirement for Maths. A Grade F2 or higher in foundation level Maths is recognised as one of the subjects for entry.

Overview

This programme has a distinct professional emphasis. You will develop the creative, technical and critical analysis skills required for the photography, video and media industry. You will learn how to use a wide range of traditional and emerging photography, video and media equipment, and technologies. You will be using the latest and most up-to-date lens-based software and hardware.

You will gain first-hand experience of the realities of the photography profession through an extended work placement in year 3 for a minimum of 13 weeks. The placement will prepare you to work as a highly skilled producer of still and moving images. The work placement aims to give students the opportunity to directly experience the work practices and procedures in a photography and video related work environment in a local, national or international setting. It allows the student to observe the application of theoretical knowledge and practical skills gained on the programme. The student is supported by a MTU member of academic staff along with a workplace mentor.

In the final year, there is a capstone module which provides the opportunity to further develop the issues, themes and directions that are evident and emerging in the student's practice. Students assume professional responsibilities and work practices, operating to a detailed plan, adapting the project aims and schedule where necessary during the creative process. Students are required to present their project at different stages of development through visual and oral presentations.

Further Studies

Suitably qualified graduates are eligible to apply for

- Professional Master of Education (Art and Design)
- MA in Art & Process
- MA in Journalism and Digital Content Creation
- MA in Public Relations with New Media
- MA in E-learning Design and Development
- MA by Research
- PhD

For details, see crawford.mtu.ie

Question Time

What are the application deadlines?

The deadline for applicants applying through the CAO is 1st February (5.15pm), after which they will receive an invitation to submit their portfolio for assessment in March.

MTU CCAD will accept applications from mature applicants up to the 1st May (5.15pm).

Is there a late application facility?

It is very important to note that the CAO Change of Mind facility does not apply to restricted access courses such as MT 822. You can change the order of your CAO choices but you cannot add on this course if you haven't listed it already on your CAO application before the 1st February at 5.15pm.

Is there specific camera equipment that I will need for the course?

Yes, it would be essential for you to own a digital SLR camera, for example a Canon 500D.

Where is the programme based?

The programme is based at the Envision Centre, which is part of the Crawford College of Art & Design at Sober Lane, adjacent to Sullivan's Quay, Cork.

Contact Information

Albert Walsh
T: +353 (0)21 433 5200
E: albert.walsh@mtu.ie



Career Opportunities

The photography, video and media industry covers a diverse range of professional activity. There is hardly a social activity that does not require the services of a photographer or videographer in some way, and image industry professionals all acknowledge the shift that requires them to be proficient in both still and moving image capture, as well as in all of the associated postproduction work. Graduates can also go on to further studies to master degree level and PhD.



First Year at a Glance

- The Moving Image: introduction to media practice (moving images), approaches to video, navigating digital imaging software, storing and saving files
- Photography and Image Capture: introduction to the medium of photography and imaging acquisition, capture and processing, photographic skills, concepts and practices
- Visual Literacy: introduction to the principles of visual literacy
- Exploring Light: The creative and expressive uses and control of available light in photography and video
- Photography Histories: the historical milestones in the evolution of photography as a visual medium
- Working with Images: entire and efficient workflow in digital photography and video, developing effective photography and video skills and efficient working practices through the stages of pre-production, production and post-production
- Investigating Place: exploring the concept of place within photography and video
- Electives include: Time Based Media Design; Film Language; and Animation Principles



TV, Radio and New Media (Honours)

Teilifís, Raidió agus na Meáin Nua (Onóracha)

Application: CAO

CAO Code: MT 812

NFQ Level: 8

Award Title: Bachelor of Arts (Honours) in TV, Radio and New Media

Duration: 4 Years (8 Semesters)

Places: 20

Location: MTU Kerry North Campus, Kerry

Entry 2022

SCORE THE NECESSARY CAO POINTS AND MEET
MINIMUM LEAVING CERTIFICATE REQUIREMENTS
6 SUBJECTS

SUBJECTS 06/H7	SUBJECTS H5	MATHS GRADE	ENGLISH OR IRISH GRADE
4	2	06/H7	06/H7



Overview

This course gives you everything you need to launch a successful career in the broadcasting industry. You develop traditional radio and TV skills and get a thorough understanding of how new technologies are used in the world of communication and media. We encourage creativity and innovation through different methods of programme delivery and assessment, including interactive online learning, group discussions, critique sessions, workshops, practicals, and studio work.

Project work is a key component of what we do, and we supplement our learning materials with presentations from visiting industry experts. The industry work placement is a vital component of the degree and takes place in semester six (year three). Alternatively, you can work as part of an internal design team, creating digital content.

Our state-of-the-art Digital Media Centre (DMC) features a TV studio, a radio studio, multimedia editing suites, an audio/video library suite, a dedicated recording studio and common project work and exhibition space. We also have dedicated high-spec multimedia Mac/PC labs, running the latest operating systems and the most recent industry-standard versions of the relevant software.

Further Studies

Suitably qualified Level 8 graduates are eligible to progress to taught master programmes or to research at either master or PhD level.

Contact Information

Department of Creative Media and Information Technology
T: +353 (0)66 719 1659
E: creativemediakerry@mtu.ie



Career Opportunities

Our graduates work in television, film and video production in a variety of roles including:
researchers; script-writers; lighting, camera and sound operators; video editors; motion graphics producers and colourists; radio production co-ordinators; audio editors; technical support; producers; executive producers; station managers; programme controllers; social media and web communications managers; bloggers; vloggers; content creators for digital publishers and virtual reality platforms.



First Year at a Glance

- Sound and Digital Audio: develops recording, editing and mixing skills to a basic level
- New Media Concepts: introduces students to the history, development and uses of media (radio/film/games/tv/multimedia)
- Media Principles: examines the history and uses of broadcasting and is concerned with the psychology of visual and auditory communication
- Social Media Tools and Enterprise Studies: fosters digital media and entrepreneurial skills as well as promoting communication, innovation and creativity
- Photography: provides a conceptual framework and a set of practical skills which facilitates the independent expression of communicative and creative photographic imagery
- Audio Production: introduces industry best practice in audio production
- Film and Narrative Studies: introduces narrative structures and the history and forms of film – as film/cinema/multimedia – and to the wider philosophical issues involved in the study of works of art



TV, Radio and New Media

Teilifís, Raidió agus na Meáin Nua

Application: CAO

CAO Code: MT 712

NFQ Level: 7

Award Title: Bachelor of Arts in TV, Radio and New Media

Duration: 3 Years (6 Semesters)

Places: 24

Location: MTU Kerry North Campus, Kerry



Overview

This course gives you everything you need to launch a successful career in the broadcasting industry. You develop traditional radio and TV skills and get a thorough understanding of how new technologies are used in the world of communication and media. We encourage creativity and innovation through different methods of programme delivery and assessment, including interactive online learning, group discussions, critique sessions, workshops, practicals and studio work.

Project work is a key component of what we do, and we supplement our learning materials with presentations from visiting industry experts. The industry work placement is a vital component of the degree and takes place in semester six (year three). Alternatively, you can work as part of an internal design team, creating digital content.

Our state-of-the-art Digital Media Centre (DMC) features a TV studio, a radio studio, multimedia editing suites, an audio/video library suite, a dedicated recording studio and common project work and exhibition space. We also have dedicated high-spec multimedia Mac/PC labs, running the latest operating systems and the most recent industry-standard versions of the relevant software.

Further Studies

Suitably qualified graduates are eligible to progress to year 4 (final year)

- BSc (Honours) in TV, Radio and New Media

Contact Information

Department of Creative Media and Information Technology

T: +353 (0)66 719 1659

E: creativemediakerry@mtu.ie

Entry 2022

SCORE THE NECESSARY CAO POINTS AND MEET
MINIMUM LEAVING CERTIFICATE REQUIREMENTS
5 SUBJECTS

SUBJECTS 06/H7	SUBJECTS H5	MATHS GRADE	ENGLISH OR IRISH GRADE
5	0	06/H7	06/H7



Career Opportunities

Our graduates work in television, film and video production in a variety of roles including:

researchers; script-writers; lighting, camera and sound operators; video editors; motion graphics producers and colourists; radio production co-ordinators; audio editors; technical support; producers; executive producers; station managers; programme controllers; social media and web communications managers; bloggers; vloggers; content creators for digital publishers and virtual reality platforms.



First Year at a Glance

- Sound and Digital Audio: develops recording, editing and mixing skills to a basic level
- New Media Concepts: introduces students to the history, development and uses of media (radio/film/games/tv/multimedia)
- Media Principles: examines the history and uses of broadcasting and is concerned with the psychology of visual and auditory communication
- Social Media Tools and Enterprise Studies: fosters digital media and entrepreneurial skills as well as promoting communication, innovation and creativity
- Photography: provides a conceptual framework and a set of practical skills which facilitates the independent expression of communicative and creative photographic imagery
- Audio Production: introduces industry best practice in audio production
- Film and Narrative Studies: introduces narrative structures and the history and forms of film – as film/cinema/multimedia – and to the wider philosophical issues involved in the study of works of art



Visual Communications (Honours)

Cumarsáid Físe (Onóracha)

Application: CAO (restricted)

CAO Code: MT 823

NFQ Level: 8

Award Title: Bachelor of Arts (Honours) in Visual Communications

Duration: 4 Years (8 Semesters)

Places: 30

Location: MTU Bishopstown Campus, Cork



Entry 2022

MINIMUM LEAVING CERTIFICATE REQUIREMENTS 6 SUBJECTS

SUBJECTS 06/H7	SUBJECTS H5	MATHS GRADE	ENGLISH OR IRISH GRADE
4	2	NOTE 1	06/H7

PORTFOLIO IS REQUIRED

For details, visit crawford.mtu.ie

Offers are made based on the portfolio assessment results to applicants who meet the academic minimum entry requirements as outlined above.

NOTE 1: There is no specific requirement for Maths. A Grade F2 or higher in foundation level Maths is recognised as one of the subjects for entry.

Overview

Visual Communication is the art of problem-solving and communication through the use of type, space, and image. It presents the idea that a graphic message has the power to inform, educate, or persuade a person or audience. It can be presented as a still image, or motion graphics, including sound, and in some cases, interactive activity.

Visual Communications, also known as Graphic Design, encourages you to think creatively and produce new design ideas and concepts. From pitching a design brief to a client, to producing graphics, a new brand, layout for interface or illustration for a book, you will go on a journey to understand who you are as a designer.

You will be introduced to the most up-to-date design and media industry software and hardware. The course will also support the development of critical awareness to assist you in your academic studies. You will be given the opportunity to develop your presentation skills and learn to create innovative approaches to solve design problems.

You will produce artwork for print, interface design, motion graphics, illustration, photography, typography, packaging, branding, advertising campaigns and much more!

Further Studies

Suitably qualified graduates are eligible to apply for:

- Professional Master of Education (Art and Design)
- MA in Journalism and Digital Content Creation
- MA in Public Relations with New Media
- MA in E-learning Design and Development
- MA by Research
- PhD

For details, see crawford.mtu.ie

Question Time

How much art is involved in this course?

A portfolio is a requirement for entry to the course so drawing skills are required. In first year, the students are assisted with modules in creative image-making to encourage drawing and mark making skills.

What is the difference between Visual Communications (MT 823) and Creative Digital Media (MT 824)?

Visual Communications is a graphic design course that focuses on creative design for the printed and electronic media.

Creative Digital Media investigates a broader design spectrum and focuses on areas such as computer programming, technology, media & culture, and business as well as specialised areas such as video, animation, interface design and virtual reality.

What are the application deadlines?

The deadline for applicants applying through the CAO is 1st February (5.15pm), after which they will receive an invitation to submit their portfolio for assessment in March.

MTU CCAD will accept applications from mature applicants up to the 1st May (5.15pm).

Is there a late application facility?

It is very important to note that the CAO Change of Mind facility does not apply to restricted access courses such as MT 823. You can change the order of your CAO choices but you cannot add on this course if you haven't listed it already on your CAO application before the 1st February at 5.15pm.

Where does this course take place?

The course takes place at MTU Bishopstown Campus, Cork.

Contact Information

Dr Gwen Lettis
T: +353 (0)21 433 5810
E: gwen.lettis@mtu.ie



Career Opportunities

The course will equip you to work in the exciting world of design. There are jobs in graphic design, advertising and creative digital media in which you can be employed. After graduating you have the opportunity to start up your own business. Graduates can also go on to further studies to master degree level and PhD.

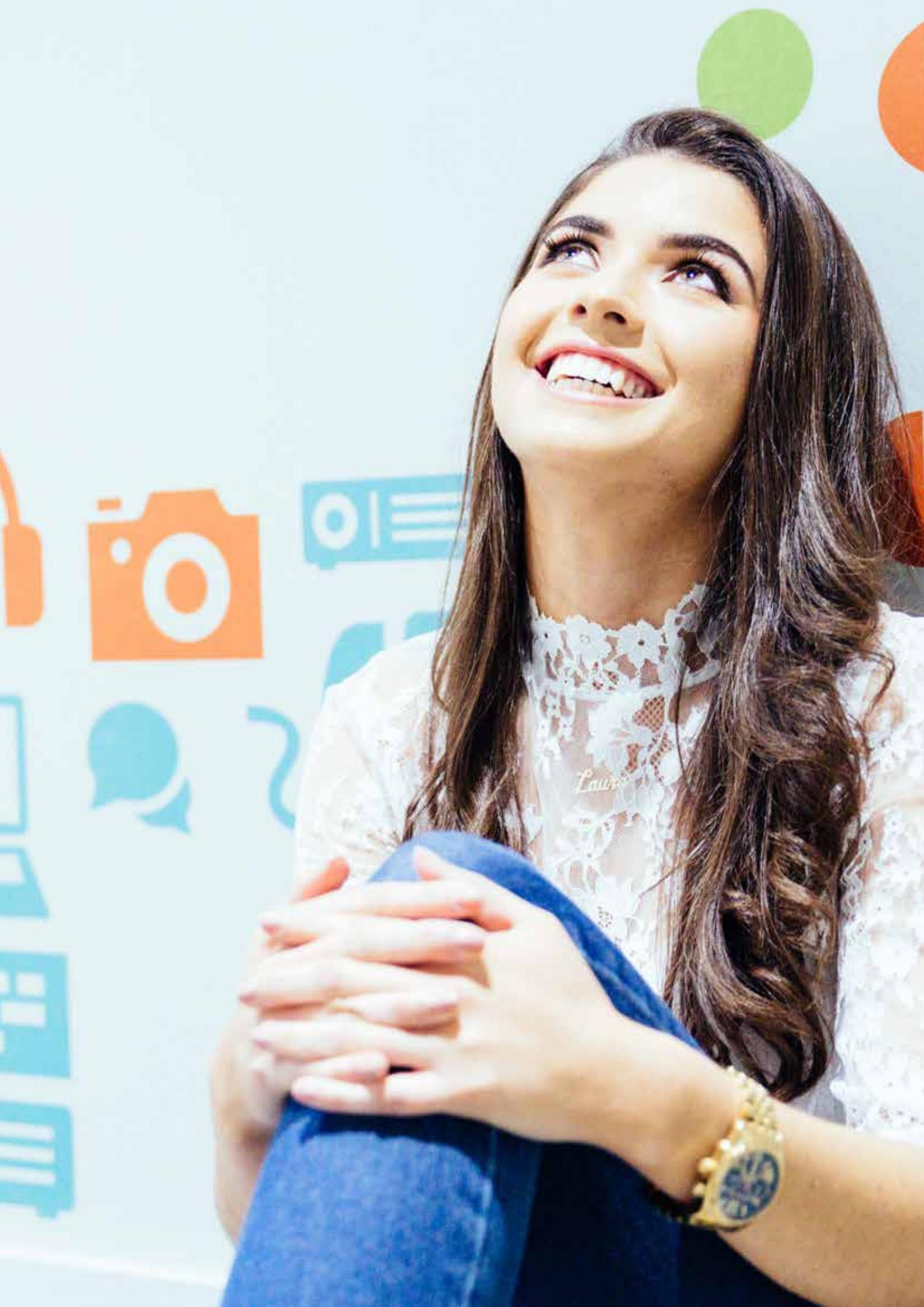
Careers: graphic design; advertising; branding; illustrator; photographer; web designer; motion graphics; and creative director.



First Year at a Glance

- Design Principles & Practice: applying creative thinking, ideas generation, design methods and techniques to create graphic design project solutions
- Introduction to Image Making: creating images across a wide range of media through drawing practices and techniques
- Visual Culture: the theory of the imagery in modern society, with a particular emphasis on visual communication
- Typography: basic language and principles of typography
- Cultural and Organisation Theory: the study of design culture, and business
- Print Making: experimental print techniques and skills
- Creative Technology: applying design software for graphic design
- Electives: Information Graphics and Creative Digital Media







Music, Theatre, and Drama

Succeeding Together

CAO Code	NFQ Level	Course	Page
MT 936	8	Bachelor of Music (Honours)	176
MT 938	8	Bachelor of Arts (Honours) in Musical Theatre	177
MT 937	8	Bachelor of Arts (Honours) in Popular Music	178
MT 939	8	Bachelor of Arts (Honours) in Theatre and Drama Studies	179

Symbol Key:



Work Placement



Progression to the next NFQ level



Garda Vetting



Medical Required



Exit Award

Music (Honours)

Ceol (Onóracha)

Application: CAO (restricted)

CAO Code: MT 936

NFQ Level: 8

Award Title: Bachelor of Music (Honours)

Duration: 4 Years (8 Semesters)

Places: 30

Location: MTU Cork School of Music, Union Quay, Cork



Entry 2022

MINIMUM LEAVING CERTIFICATE REQUIREMENTS 6 SUBJECTS

SUBJECTS 06/H7	SUBJECTS H5	MATHS GRADE	ENGLISH OR IRISH GRADE
4	2	NOTE 1	06/H7

ENTRANCE TEST IS REQUIRED

For details, visit csm.mtu.ie. Offers are made based on the Entrance Test results to applicants who meet the academic minimum entry requirements as outlined above.

NOTE 1: There is no specific requirement for Maths. A grade F2 or higher in foundation level Maths is recognised as one of the subjects for entry.

NOTE 2: Vetting by an Garda Síochána is a mandatory requirement for this programme.

Please visit the Admissions section in this prospectus.

Overview

Music is the art or science of combining sounds and silence in order to produce a form that is satisfying and emotionally stimulating. The study of music involves the enhancement of instrumental skills, theoretical learning and understanding, history, exploration of the social and therapeutic benefits of music making and listening, conducting, composition, orchestration, psychology, education, and use of technology.

There are three mandatory skill-based modules which are taken in each semester. The remaining electives may be selected from a wide choice of modules: Community Music, Composition, Conducting, Counterpoint, Education, History, Music Technology, Music Therapy, Orchestration, Performance, and Research.

Instrumental tuition is delivered in one-to-one lessons according to best international practice. Other modules are delivered across a variety of labs, lectures, tutorials and workshops.

Further Studies

Suitably qualified graduates may apply either to undertake research (leading to the award of a MA and/or PhD), or to follow a taught master's programme in either Music (Performance or Composition or Conducting) or Music & Technology. For details, see csm.mtu.ie

Contact Information

The Administrator
T: +353 (0)21 480 7307
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Question Time

Do I need to have Leaving Certificate Music?

Leaving Certificate Music is not an admission requirement. This is a restricted access course, you need to pass an entrance test and then you will be placed on a ranked list based on your combined marks from the entrance test.

Do I need to be able to read music?

Yes, you need to be able to read music notation to a reasonable standard.

Can I apply if I have never completed a grade exam?

It is not necessary to have actually completed grade examinations. The audition result is based on what the examination panel hear on the day.

Is there a late application facility?

Yes, all applications are accepted up to the 1st May. However, CSM would prefer if special category applicants would apply by the 1st February as there is extra documentation required with such applicants.

Can I use the CAO Change of Mind facility?

Yes, but only if you have applied through CAO before the 1st February and have been auditioned and assessed for the course.

Are there any other special requirements?

This is a Restricted Access course and all applicants must sit the entrance test. The provisional date for the entrance test is Saturday 9th April 2022.

Are past test papers available?

Yes, you can access them online: csm.mtu.ie/bmus-bachelor-of-music or request one by post from the CSM's Administrator, Union Quay, Cork, to check that you can meet the requirements of the practical, aural, and written elements.

Can I defer the results of my entrance test from one year to the next?

Candidates are not allowed to defer the results of the entrance test.

Are there any scholarships available?

An entrance scholarship of €1,000 will be awarded to a first year BMus entrant based on their Entrance Test.



Career Opportunities

There are many employment opportunities for music graduates apart from the obvious ones of performing and teaching. This course also enables students to develop the skills necessary for a career as a music/arts administrator, music librarian, conductor of amateur bands/choirs/orchestras/musical shows, music animator, music publicist/promoter, and music editor.

However, taking an honours degree in music does not mean that a graduate is restricted to a music driven career for the rest of their life. In addition, a growing number of employers outside the specific music business favour music graduates because of the combination of intellectual training, digital skills, interpersonal sensitivity and greatly enhanced general response rates represented by a musical training.

Careers: solo and ensemble performance; music teaching; music production and recording; film, video and TV scoring; conducting; arts administration; music therapy; and community music.



First Year at a Glance

A comprehensive grounding in musicianship and technical skills, encompassing individual instrumental tuition and both small and large ensemble participation, aligned with music literacy and aural development.

The programme also offers the opportunity to engage with music technology and team building activities.



Musical Theatre (Honours)

Amharclannaíocht an Cheoil (Onóracha)

Application: CAO (restricted)

CAO Code: MT 938

NFQ Level: 8

Award Title: Bachelor of Arts (Honours) in Musical Theatre

Duration: 4 Years (8 Semesters)

Places: 24

Location: MTU Cork School of Music, Union Quay, Cork



Entry 2022 MINIMUM LEAVING CERTIFICATE REQUIREMENTS 6 SUBJECTS

SUBJECTS 06/H7	SUBJECTS H5	MATHS GRADE	ENGLISH OR IRISH GRADE
4	2	NOTE 1	06/H7

ASSESSMENT TEST IS REQUIRED

For details, visit csm.mtu.ie

Offers are made based on the Assessment Test results to applicants who meet the academic minimum entry requirements as outlined above.

NOTE 1: There is no specific requirement for Maths. A grade F2 or higher in foundation level Maths is recognised as one of the subjects for entry.

NOTE 2: Vetting by an Garda Síochána is a mandatory requirement for this programme.

Please visit the Admissions section in this prospectus.

Overview

Musical Theatre is the theatrical genre where song and music is an integral part of the content, along with drama and, usually, dance. Performers are skilled at all three and must possess a quantum of individual talent. This is an intensively hands-on course, aimed at talented students who already have a basic level of skill in the three 'triple-threat' areas: singing, dancing and acting. The course combines personal skills training with group and teamwork, expressed through annual public performances in professional theatres. As well as working with highly qualified core staff, the students will meet professionals from all musical theatre fields, following up-to-the-minute trends and making contacts and networks for life.

Complementary electives such as Lighting Design, Sound Design, Scriptwriting, Music Technology, Drama and Music Therapy can lead to alternative career pathways and a portfolio career.

Capstone module – in addition to the final year musical production, each student can elect to do a solo performance module for double credit, expressing a particular talent and level of skill in a core subject.

Work placement – in third year, each student spends 100 hours working in an appropriate theatrical environment to get a taste of the specific work context they will be entering.

Further Studies

Graduates will be eligible to pursue performance or research masters in a chosen area for which they are deemed suitable. For details, see csm.mtu.ie

Contact Information

The Administrator

T: +353 (0)21 480 7307

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Question Time

When I graduate from this degree, what necessary steps do I need to take to be qualified to teach?

This degree is not aimed at teacher training but may provide a gateway to postgraduate teacher training qualifications.

Can I avail of the Erasmus programme?

Yes

What elective modules are available?

Music Technology, Design, Directing, Scriptwriting, Acting in the Media, and Dramatherapy. Please visit www.mtu.ie/MT938 for detailed module information.

Do I need to be able to read music?

It would be helpful but is not essential.

Is there a late application facility?

Yes, all applications are accepted up to the 1st May. However, CSM would prefer if special category applicants would apply by the 1st February as there is extra documentation required with such applicants.

Can I use the CAO Change of Mind facility?

Yes, but only if you have applied through CAO before the 1st February and have been auditioned and assessed for the course.

Are there any other special requirements?

This is a restricted access course and all applicants must sit the CSM's assessment test. The provisional date for the assessment test Thursday 7th to Saturday 9th April, 2022.

Are sample assessment papers available?

The assessments are all practical, no written work is required.

Can I defer the results of my assessment test from one year to the next?

Candidates are not allowed to defer the results of the assessment test.

Are there any scholarships available?

An entrance scholarship of €1,000 will be awarded to a first year BAMT entrant based on their audition.



Career Opportunities

Graduates will have the ability to pursue careers in the performing arts as musical theatre performer, producer, designer, and choreographer, and arts administrator.



First Year at a Glance

Individual and group work on singing, acting classes, dance classes, musical theatre history & context, ensemble performance, fitness classes and musical theory are supplemented by a practical introduction to the theatre and its technology – including stage pass.



Popular Music (Honours)

Ceol Móréilimh (Onóracha)

Application: CAO (restricted)

CAO Code: MT 937

NFQ Level: 8

Award Title: Bachelor of Arts (Honours) in Popular Music

Duration: 4 Years (8 Semesters)

Places: 40

Location: MTU Cork School of Music, Union Quay, Cork



Entry 2022

MINIMUM LEAVING CERTIFICATE REQUIREMENTS 6 SUBJECTS

SUBJECTS 06/H7	SUBJECTS H5	MATHS GRADE	ENGLISH OR IRISH GRADE
4	2	NOTE 1	06/H7

ENTRANCE TEST IS REQUIRED

For details, visit csm.mtu.ie

Offers are made based on the Entrance Test results to applicants who meet the academic minimum entry requirements as outlined above.

NOTE 1: There is no specific requirement for Maths. A grade F2 or higher in foundation level Maths is recognised as one of the subjects for entry.

NOTE 2: Vetting by an Garda Síochána is a mandatory requirement for this programme.

Please visit the Admissions section in this prospectus.

Overview

Popular Music is the music heard around the clock on radio, TV, in the theatres, clubs and venues all around the country. We use it to encompass all of the sub genres: rock, country, soul, blues, commercial, modern musical theatre, electronic music, dance music, and so on. This programme of study offers five streams of study, **Electric Bass Guitar** or **Drums** or **Electric Guitar** or **Keyboards** or **Voice**.

Each student is assigned a matched group of peers to form a small popular ensemble, this becomes the centre of the learning experience. Lectures, classes, and music technology labs provide supporting skills to the core training in performance.

Instrumental Tuition

Ensembles – everything from rock, pop, hip hop, blues, soul, metal, jazz, salsa, disco, electronica, funk, ska, reggae, etc.;

Musicianship and Harmony – play by ear, harmonise, notate your favourite songs and solos;

Music Technology – live sound and PA, studio engineering, computer based music applications including ProTools and Logic Studio;

Song Writing – mentored guidance and practical experience in realising your own composition;

Arranging and Musical Direction – coordinate, arrange for, and direct a group of your musical peers.

Additionally, BAPM students will have the opportunity to devise and develop personal live and recorded music projects. Along with their BMus counterparts, BAPM students will be introduced to community music and music therapy as potential pathways. Students will also have access to specialist modules embracing arts marketing, professional promotion, and business for artist practitioners and career development.

Contact Information

The Administrator

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Further Studies

Suitably qualified graduates may apply either to undertake research (leading to the award of an MA and/or PhD), or to follow a taught master's programme in either Music (Performance or Composition) or Music & Technology. For details, see csm.mtu.ie

Question Time

Are there any other special requirements?

This is a restricted access course and all applicants must sit the CSM's BA (Honours) in Popular Music degree course entrance test. The provisional dates for the entrance test are from Thursday 7th to Saturday 9th April, 2022.

Are sample test papers available?

Yes, you can access them online at csm.mtu.ie/bapm-applicant-assessment-form, or request one by post from the CSM's Administrator, Union Quay, Cork, to check that you can meet the requirements of the practical, aural, and written elements.

Can I defer the results of my entrance test from one year to the next?

Candidates are not allowed to defer the results of the entrance test.

Is there a late application facility?

Yes, all applications are accepted up to the 1st May. However, CSM would prefer if special category applicants would apply by the 1st February as there is extra documentation required with such applicants.

Can I use the CAO Change of Mind facility?

Yes, but only if you have applied through CAO before the 1st February and have been auditioned and assessed for the course.

Are there any scholarships available?

An entrance scholarship of €1,000 will be awarded to a first year BAPM entrant based on their Entrance Test.



Career Opportunities

There are many employment opportunities for popular music graduates apart from the obvious one of performing. Composition, music for multimedia, song writing, playing in recording sessions, in theatrical productions and TV. Outside of this field is the associated area of promotion, festival and arts administration, and the business side of the industry.

However, taking an honours degree in popular music does not mean that a graduate is restricted to a music driven career for the rest of their life. In addition, a growing number of employers outside the specific music business favour music graduates because of the combination of intellectual training, digital skills, interpersonal sensitivity and greatly enhanced general response rates represented by a musical training.



First Year at a Glance

- **Contextual Harmony:** a foundation in harmonic and notational skills required of the popular music professional and is delivered in the context of popular music history
- **Popular Musicianship:** intensive directed study in aural skills and an auxiliary instrument. For non-keyboard players the auxiliary instrument is keyboard, for keyboard players the auxiliary instrument is drum kit
- **Popular Ensemble Workshop:** practical performance-based engagement with popular music on the student's principal instrument – both in full band and small ensemble configurations
- **Music & Technology:** recording studio, its equipment and procedures – while also developing the necessary skill set for the practical operation of live sound equipment



Theatre & Drama Studies (Honours)

Staidéar Amharclannaíochta agus
Drámaíochta (Onóracha)

Application: CAO (restricted)

CAO Code: MT 939

NFQ Level: 8

Award Title: Bachelor of Arts (Honours) in Theatre & Drama Studies

Duration: 4 Years (8 Semesters)

Places: 20

Location: MTU Cork School of Music, Union Quay, Cork



Entry 2022

MINIMUM LEAVING CERTIFICATE REQUIREMENTS
6 SUBJECTS

SUBJECTS 06/H7	SUBJECTS H5	MATHS GRADE	ENGLISH OR IRISH GRADE
4	2	NOTE 1	06/H7

ASSESSMENT TEST IS REQUIRED

For details, visit csm.mtu.ie

Offers are made based on the Assessment Test results to applicants who meet the academic minimum entry requirements as outlined above.

NOTE 1: There is no specific requirement for Maths. A grade F2 or higher in foundation level Maths is recognised as one of the subjects for entry.

NOTE 2: Vetting by an Garda Síochána is a mandatory requirement for this programme.

Please visit the Admissions section in this prospectus.

Overview

Theatre & Drama Studies is a practice-based course for those intending to pursue a career in theatre or dramatic arts. Individual acting skills, voice production, ensemble performance and related theatre design and technical audio visual studies equip the student to work in live theatre, broadcast media or community-based arts facilitation.

This honours degree course centres on theatre performance training, with supporting modules to facilitate wider career options. The course aims to produce artists that are physically and vocally flexible and intellectually alive and curious.

Alongside core disciplines of voice, movement and acting studies, you will develop a range of creative and practical techniques and transferable skills that will encourage you to be an independent thinking and motivated artist, an articulate and reflective practitioner equipped to succeed in a competitive profession. Small group and large ensemble practical and workshop sessions are balanced with lectures, tutorials and field-based studies.

In the second semester of year 3, each student will have a supervised work placement in an appropriate professional environment. The work placement is done as a complete module with 84 hours work contact to be done in a minimum of 8 weeks.

Capstone Module: In the fourth and final year, each student works on an integrated production. As the emphasis throughout the course is on performance, this allows an involvement at a professional level as a theatre practitioner as the culmination of the four years' work.

Further Studies

Graduates will be able to pursue any level 9 course for which a drama degree is relevant and recognised – including postgraduate education programmes. Postgraduate study in education, drama therapy and arts administration are examples of what are possible pathways. For details, see csm.mtu.ie

Question Time

When I graduate from this degree, what necessary steps do I need to take to be qualified to teach?

Graduates may apply for the Professional Masters in Education courses that lead to certification as primary or second-level teachers. They may also apply for further education or third-level positions that require a level-8 drama qualification.

Are there early assessment procedures?

Yes, the assessment test will provisionally take place at the MTU Cork School of Music, Friday 8th & Saturday 9th April, 2022.

Are sample assessment papers available?

No. There is no written work required for the entrance assessment.

Can I avail of the Erasmus programme?

Yes, in Year 3, students may avail of the Erasmus Scheme to study abroad in a partner institution.

Is there a late application facility?

Yes, all applications are accepted up to the 1st May. However, CSM would prefer if special category applicants would apply by the 1st February as there is extra documentation required with such applicants.

Can I use the CAO Change of Mind facility?

Yes, but only if you have applied through CAO before the 1st February and have been auditioned and assessed for the course.

Can I defer the results of my assessment test from one year to the next?

Candidates are not allowed to defer the results of the assessment test.

Are there any scholarships available?

An entrance scholarship of €1,000 will be awarded to a first year BATDS entrant based on their assessment test.

Contact Information

The Administrator

T: +353 (0)21 480 7307

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Career Opportunities

Graduates will have the ability to pursue careers in the performing arts, education, arts administration, community arts, film and television media.

- Careers: actor; director/producer; theatre designer; theatre technician; drama teaching; community arts; theatre in education; arts administration; and film and television.



First Year at a Glance

- Performance Ensemble: performance studies focusing on the work of Stanislavski and Chekhov
- Voice Studies: freeing and strengthening the speaking voice and working with texts
- Theatre History & Text: theatre history from the age of Greek theatre to that of Shakespeare
- Theatre Lab: movement and performance, focusing on improvisation and the work of Le Coq
- Theatre Technology: an introduction to theatre lighting and sound
- Costume and Make-up: costume study and make-up design





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Succeeding Together

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Apprenticeship Programmes



Apprenticeship is an exciting and proven way for employers to develop talent for their company and industry. Apprenticeships are designed by industry-led groups, supporting growth and competitiveness.

Apprentices earn while they learn and build valuable work-ready skills in a chosen occupation. Apprenticeships open up exciting and rewarding careers, with learning grounded in the practical experience of undertaking a real job. Apprenticeship is defined as a programme of structured education and training which formally combines and alternates learning in the workplace with learning in an education or training centre. It is a dual system, a blended combination of on-the-job employer-based training and off-the-job training.

Apprentice Registration

To be eligible for an apprenticeship, the applicant must be at least 16 years of age and must be employed by an approved employer. For further information on apprenticeships go to www.apprenticeship.ie

Details of current apprenticeship opportunities are advertised locally and nationally by many employers and are often uploaded onto the apprenticeship jobs portal www.apprenticeshipjobs.ie

Craft Apprenticeships

A craft apprenticeship will generally last for 4 years, during which time you will spend 3 different periods in off-the-job training. Generally, the first off-the-job training phase will take place in an Education and Training Board (ETB) Training Centre while the subsequent off-the-job training phases will take place in an Institute of Technology or Technological University. The skills you develop will be assessed through on-the-job competence testing as well as off-the-job modular assessment and examinations and, if you complete these assessments successfully, you will be awarded an Advanced Certificate – craft (level 6 on the National Framework of Qualifications).

Post 2016 Apprenticeships

MTU offers apprenticeship opportunities across the areas of craft, construction, hospitality and food, and engineering. These programmes are delivered by industry-led consortia and respond to identified needs in a variety of industries. MTU has worked with industry partners and other institutions to develop and deliver these programmes. All apprenticeships come under the governance of SOLAS and funding is provided by the Higher Education Authority (HEA).

Craft Apprenticeships at MTU

Contact Information

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Agricultural Mechanics

MTU Kerry South Campus

Agricultural mechanics are concerned with fault-finding, repair, overhaul and maintenance of farm tractors and farm machinery. These farm machines could include forage harvesters, balers, bale wrappers, mowers, combine harvesters, crop-sprayers, fertiliser distributors, diet feeders, tillage and slurry handling equipment. Their skills overlap with those of other crafts within the motor family of crafts, therefore they are equipped to carry out some repair work on ATVs (All Terrain Vehicle – Quads), light and heavy commercial vehicles, earth moving equipment, forklift trucks and other vehicles. Besides the normal agricultural tractor and machinery garages, some large agricultural contracting firms employ their own agricultural mechanics. MTU is the only Technological University or Institute of Technology in the country which offers craft level apprenticeship courses in agricultural mechanics. Our facilities give apprentices a unique opportunity to experience the state-of-the-art technology currently being employed in the agricultural sector.

Carpentry and Joinery

MTU Bishopstown Campus MTU Kerry South Campus

The carpenter and joiner cuts, shapes and joins wood and wood-based products using a wide range of hand tools, e.g. hammer, saw, planes and chisels. They also use power tools and machines. Carpenters and joiners use their skills to set out and construct roofs, install floors, stairs and windows, built-in furniture and hang doors. They also manufacture doors, windows, stairs and shopfronts, etc. The carpenter and joiner has to study drawings, perform craft calculations and select materials to meet design requirements. Site work includes the construction of buildings and houses which require first and second fixing, including roofing. The place of work may vary, depending on the type of work done, it could be on site, in a workshop or in a private dwelling.

Construction Plant Fitting

MTU Bishopstown Campus

A construction plant fitter services, diagnoses and resolves technical issues in mobile equipment used in materials handling for the off-road and on-road construction, excavation, mining, forestry and waste management industries. They carry out routine service procedures as recommended by the manufacturers; and diagnose and resolve problems with the operation of the mechanical, hydraulic, pneumatic and electrical systems of machines and equipment such as tracked excavators, forklifts, and cranes. MTU is the only Technological University or Institute of Technology in the country which offers craft level apprenticeship courses in construction plant fitting.

Electrical

MTU Bishopstown Campus MTU Kerry South Campus

On completion of this four-year apprenticeship, you will become a fully qualified electrician, with a QQI Level 6 Advanced Certificate Craft – Electrical.

As an electrician you will be involved in the installation, commissioning, testing and maintenance of various wiring systems and services in domestic, commercial and industrial applications. Your work will range from wiring domestic houses and retail units, to more complex systems involving process control and maintenance in industrial plants, hospitals and power stations. Electricians also service, maintain and repair electrical equipment, both domestic and industrial. If you are employed by the Electricity Supply Board (ESB) you will be working on electrical power supply and distribution.

Electricians employed by electrical contractors are usually engaged in installation of lighting, heating and power equipment and the repair of existing equipment and appliances. If you work in industrial employment you will generally be engaged in the maintenance and repair of factory plant, machinery and generating equipment. Many apprentices use their apprenticeship qualification as a platform to launch careers such as engineers, managers, owners of businesses, teachers and instructors amongst others.

Mechanical Automation and Maintenance Fitting (MAMF)

MTU Bishopstown Campus

A mechanical automation and maintenance fitter will be involved in plant and machinery installation; maintenance and repairs; replacement of broken or working parts; adjustment; servicing and checking components; and equipment component replacement. A fitter will also fabricate parts using machine tools.

Metal Fabrication

MTU Bishopstown Campus

A metal fabricator will be involved in the installation and manufacture of a range of metallic systems to include pressure vessels; tank and boiler manufacture; structural steel systems; plate steel systems and piping systems. The job entails the reading of drawings and working with materials such as low carbon steel, stainless steel, alloy steel and aluminium. A metal fabricator uses skills such as measuring, marking out, cutting and welding materials using different processes and assembly techniques. A metal fabricator may also work outdoors and may be required to work at heights.

Motor Mechanic

MTU Bishopstown Campus

A motor mechanic is responsible for the servicing, maintenance and fault diagnosis of light passenger cars and light commercial vehicles. Motor mechanics carry out routine service procedures as recommended by the vehicle manufacturer, as well as diagnosing and resolving problems with the operation of the mechanical and electrical systems of vehicles. Motor mechanics are also involved in examining and preparing vehicles for the National Car Test (NCT) or the Commercial Vehicle Road Worthiness Test (CVRT).

Pipefitting

MTU Bishopstown Campus

Pipefitters install, repair and maintain high and low-pressure pipe systems used in commercial and industrial installations. You will work on piping systems that carry all kinds of liquids, gaseous and solid materials, and provide a wide range of services including welding and fabrication in a variety of industries. MTU is the only Technological University or Institute of Technology in the country which offers craft level apprenticeship courses in pipefitting.

Plastering

MTU Bishopstown Campus

A plasterer is involved in the preparation and application of protective covering to interior and exterior building surfaces. This work can also involve applying decorative marking and finishes to walls such as pebbledash to achieve a required finish. A plasterer may be required to lay the finishing surface of cement floors for houses, factories and garages. Fibrous plasterers may work from architects' designs or copy pieces of plasterwork from artists' drawings or from photographs to produce ornamental work. MTU is the only Technological University or Institute of Technology in the country which offers craft level apprenticeship courses in plastering.

Plumbing

MTU Bishopstown Campus

A plumber installs, maintains and repairs systems of water supply, drainage and central heating in houses and other locations. These systems include hot and cold-water systems, sanitary services, heating systems and pipework and controls for gas supply. Plumbers carry out maintenance and repair work including routine servicing and emergency repairs, which involves finding faults and replacing or repairing damaged parts, carrying out tests and ensuring that the system works properly. Work on technologies such as gas fired and oil-fired heating systems, under-floor heating, solar, geothermal and biomass heating is also performed by qualified plumbers.

Refrigeration and Air-Conditioning

MTU Bishopstown Campus

A refrigeration and air conditioning craftsperson installs, maintains and repairs all types of refrigeration and air-conditioning equipment and systems. They can work in industries such as domestic, marine, commercial and industrial. They can install, maintain and repair items such as household, hospital, hotel and shop refrigerators, display cabinets, deep freezers, cooling plants, cold rooms and refrigerated transport.

Post 2016 Apprenticeships

Apprenticeships introduced from 2016 on lead to an award between Levels 5-10 on the National Framework of Qualifications. Each apprenticeship programme can be for between 2 and 4 years.

There are a number of models of on-the-job and off-the-job training, as well as different models of delivery and different target groups (including people already in employment). Industry-led groups (consortia), which work with education and training providers and other partners, to oversee the development and roll-out of new apprenticeships.

Post 2016 Apprenticeships at MTU

Chef de Partie Apprenticeship (Bachelor of Arts in Culinary Arts)

DURATION – 4 YEARS

MTU Bishopstown Campus
MTU Kerry North Campus

A Chef de Partie is trained to

- Deliver advanced culinary skills in a professional kitchen
- Supervise a particular area or station within the kitchen
- Work on their own as well as train Commis Chefs

This programme is designed by industry and academic professionals so the apprentice will learn the skills, knowledge and behaviours necessary for a successful career that will take them anywhere in the world. The Chef de Partie apprenticeship programme is designed to expose participants to a wide range of culinary skills and ideas and allows them to not only learn how to do something, but understand why it is done a certain way. It combines classroom training with hands-on practical skills development in the workplace. Apprentices follow a structured path of learning to build their knowledge and skills from a basic to advanced level. A work-based mentor will monitor and help apprentices to progress through the apprenticeship and they will learn how their college-based learning links to their everyday working environment. Apprentices who successfully complete the Chef De Partie apprenticeship programme will be eligible to progress to the Sous Chef Apprenticeship at Level 8 (see next page).

Advanced Entry Options

Relevant industry experience – assessment of industry experience is by application to the Munster Technological University. Recognition of prior learning is dealt with on an individual basis once an apprentice has started the registration process.

If you are employed as a chef and/or hold previous qualifications, you may be eligible for advanced entry into year 2 or 3 of the programme.

Sous Chef Apprenticeship (Bachelor of Arts (Hons) In Culinary Arts)

DURATION –2 YEARS

MTU Bishopstown Campus

MTU Kerry North Campus

This programme is designed to provide apprentices with knowledge, skills and competencies at an advanced level, to ensure that all aspects of food preparation, production and service are carried out to the highest standard and in accordance with food hygiene regulations, company standards and policies. The programme enables the apprentice to be an effective team leader and production specialist at operational, managerial and technical levels. The programme also focuses on the responsibility of guiding, directing and training team members. Apprentices will be concentrating on areas such as personal development, food innovation, and the capitalisation of market trends and the management of department finances and budgets; all the while endeavouring to exceed customer expectations. It combines classroom training with hands-on practical skills development within the workplace.

Contact Information

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Logistics Associate

MTU Bishopstown Campus

A logistics associate typically liaises with transportation companies to create a good working relationship. It will involve preparation of invoices for orders and deliveries as part of record keeping measures. Record-keeping of shipping, road and air freight activities, documenting procedures, guidelines and changes in procedures for reference purposes. A logistics associate is responsible for ensuring compliance with customs duties, controls, tariff, international conventions and agreements. Those that successfully complete the programme will be awarded a Level 6 Higher Certificate from MTU.

Contact Information

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Manufacturing Technician

MTU Bishopstown Campus

A manufacturing technician provides technical support for manufacturing operations including troubleshooting equipment and process issues, and validation and qualification activities of the manufacturing site. It will be necessary to work with production, operations, engineering support, quality, facilities, and safety to ensure that the engineering activities are completed as per defined project schedule. The job also involves coordinating corrective maintenance activities for production equipment within the manufacturing site. Those that successfully complete the programme will be awarded a Level 6 Higher Certificate from MTU.

Manufacturing Engineer

MTU Bishopstown Campus

A manufacturing engineer facilitates efficient operations within the production area, to optimise existing processes, implement new processes and to ensure that production goals are met. This involves the monitoring of the performance of equipment, machines and tools and correct equipment problems. A manufacturing engineer analyses and solves problems using basic engineering principles leading to new or improved products. It also involves the application of project management methodologies to manage production and product design. Those that successfully complete the programme will be awarded a Level 7 Bachelor of Engineering degree from MTU.

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MTU Blackrock Castle Observatory



Postgraduate Study & Research at MTU

MTU offers a range of post-graduate taught and research programmes across the University and is committed to supporting and promoting all aspects of academic formation of postgraduate students through its constituent faculties, colleges, schools, academic units, and research groups and centres. Details of taught postgraduate courses are available at www.mtu.ie or by contacting the relevant head of department.

Postgraduate research is carried out under the supervision and guidance of appropriately qualified members of academic staff of the University. A student may register at MTU for a research programme leading to awards at level 9 (Masters) and level 10 (Doctoral), including doctorates carried out partially or completely in the workplace. MTU provides opportunities for postgraduate study on both a full-time and a part-time basis for individuals with diverse academic, industrial, and professional backgrounds. MTU postgraduate degrees are offered across the domains of science, engineering, nursing, business, humanities, creative and performing arts and media.

Why consider a Postgraduate Degree by Research?

Engaging in a postgraduate degree by research at MTU will provide you with cutting edge analytical skills, supported by the experience of working within a dynamic environment alongside national and international researchers. It is an opportunity to join a community of 250 postgraduate researchers, amongst the largest in the country. You will use leading edge techniques and equipment whilst being supervised to the highest level.

We understand that your career is important to you, so during your time here as a research postgraduate student you will be provided with a suite of supports, from supervision and mentoring to developing a personalised career development plan which will be integrated into your research. Our research teams work closely with industry, so if you see your future career in industry then a research postgraduate qualification from MTU is something for you to seriously consider.

Funding Supports

There may be funding supports available in your area of study. For further information, please contact the head of department for your chosen discipline area.

General Admission Requirements Entry 2022/2023

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Riachtanais Iontrála Ghinearálta OTM

Iontráil 2022/2023

Ní mór d'iaratasóirí a bheith 16 bliana d'aois nó níos sine an 1 Eanáir den bhliain iontrála ar an gcúrsa. I gcás fhormhór na gcúrsaí, ní mór d'iaratasóirí ar iontráil sa chéad bhliain ar OTM na pointí riachtanacha CAO a bhaint amach agus na riachtanais iontrála ábhartha íosta dá gclár staidéir a shásamh. Tá an fhaisnéis iontrála seo a leanas roinnte ina ceithre chatagóir

- Iaratasóirí ardteistiméireachta nó scrúdaithe choibhéisigh
- Iaratasóirí lánfhásta (iad siúd os cionn 23 bliana d'aois ar an 1 Eanáir den bhliain iontrála)
- Iaratasóirí i gcatagóir speisialta (lena n-áirítear DCCÉ-BOO)
- Iaratasóirí idirnáisiúnta

Tabhair faoi deara le do thoil: tá critéir iontrála bhreise ar leith i bhfeidhm maidir le cúrsaí atá á dtairiscint san Scoil Cheoil OTM Chorcaí, i gColáiste Ealaíne agus Deartha OTM Crawford, agus i NMCI – féach leathanaigh 210 go 213 le haghaidh sonraí.

Conas iarratas a dhéanamh

Ní mór d'iaratasóirí ar bhliain 1, 2, 3, nó 4 de chúrsaí lánaimseartha iarratas a dhéanamh trí chóras na Lár-Oifige Iontrála (CAO). Tá eolas iomlán ar fáil i Lámhleabhar CAO a eisítear gach bliain ag www.cao.ie.

Dátaí deireanacha d'iaratais: 20ú Eanáir ag 5.15pm (iaratasóir luath ar líne), 1ú Feabhra ag 5.15pm (gnáthiaratasóir), agus 5.15pm ar an 1 ú Bealtaine (iaratasóirí déanacha). Tabhair faoi deara le do thoil nach nglacann cúrsaí áirithe le hiarratais dhéanacha. Tá an tsaoráid CAO Athrú Intinne ar fáil ón 5 ú Bealtaine go dtí an 1 ú Iúil ag 5.15pm.



MTU Kerry North Campus

MTU General Admission Requirements

Entry 2022/2023

Applicants must be 16 years of age or over on 1st January of the year of entry to the course. For the majority of courses, applicants for first year admission to MTU must score the necessary CAO points and satisfy the relevant minimum entry requirements for their programme of study. The following admissions information is broken down into four categories

- Leaving Certificate or equivalent examination applicants
- Mature applicants (those over 23 years of age on 1st January of the year of entry)
- Special category applicants (including QQI-FET)
- International applicants

Please note: additional specific admission criteria apply to courses on offer in the MTU Cork School of Music, MTU Crawford College of Art and Design, and in NMCI – see pages 210 to 213 for details.

How to apply

Applicants to year 1, 2, 3, or 4 of full-time courses must apply through the Central Applications Office (CAO) system. Complete information is available in the CAO Handbook issued each year at www.cao.ie.

Closing dates for application: 20th January at 5.15 pm (early online applicant), 1st February at 5.15pm (standard applicant), and 5.15pm on the 1st May (late applicants). Please note that some courses do not accept late applications. The CAO Change of Mind facility is available from 5th May to 1st July at 5.15pm.



Iarratasóirí Ardteistiméireachta nó Scrúdaithe Choibhéisigh

I gcás formhór na dTeastas Ardleibhéil (CNC Leibhéal 6) agus na gCéimeanna (CNC Leibhéal 7) is iad na riachtanais iontrála íosta cúig ábhar Ardteistiméireachta nó scrúdaithe choibhéisigh, ag fáil grád íosta O6/H7 i mBéarla nó i nGaeilge, grád O6/H7 sa mhatamaitic, agus grád O6/H7 i dtrí ábhar eile (**féach na heisceachtaí sa liosta thíos**).

I gcás formhór na gCéimeanna Onóracha (CNC Leibhéal 8) is iad na riachtanais iontrála íosta sé ábhar Ardteistiméireachta nó scrúdaithe choibhéisigh, ag fáil grád íosta dhá H5 agus ceithre O6/H7. Iarrtar ar iarratasóirí grád O6/H7 ar a laghad a fháil sa mhatamaitic, agus i mBéarla nó i nGaeilge (**féach na heisceachtaí sa liosta thíos**).

Féadfar riachtanais iontrála íosta a shásamh le torthaí níos mó ná Ardteistiméireacht amháin. Féadfar na riachtanais iontrála íosta a athrú d'iarratasóirí neamhchaighdeánacha agus do shealbhóirí dámhachtainí DCCÉ-BOO.

Eisceachtaí

Tá na riachtanais iontrála íosta difriúil i gcás na gclár seo a leanas

- MT 510 BBus i mBainistíocht Áineasa agus Fóillíochta
- MT 511 BSc i Sláinte agus Fóillíocht
- MT 512 BSc i Sláinte agus Fóillíocht le Suathaireacht
- MT 513 BSc i Feidhmíocht Cóitseála agus Spóirt
- MT 514 BSc i Spóirt agus Gníomhaíocht Choirp Lánpháirtíochta
- MT 571 BA in Oideachas agus Cúram Luath-Óige
- MT 572 BA in Oideachas agus Cúram Luath-Óige
- MT 573 BA in Obair Cúraim Shóisialaigh
- MT 574 BA i gCúram Sóisialta
- MT 575 BA i bhForbairt Pobail
- MT 654 HC sna hEalaíona i Staidéar Fáilteachais
- MT 655 HC sna hEalaíona i Staidéar Cócaireachta
- MT 711 BA i mBeochan, Éifeachtaí Amhairc agus Dearadh Gluaisne*
- MT 764 BEng in Innealtóireacht Mara
- MT 765 BEng i Leictreicneolaíocht Mhuirí
- MT 766 BSc in Eolaíocht Loingseoireachta
- MT 800 BSc (Onóracha) i bhForbairt Bogearraí
- MT 801 BSc (Onóracha) i Ríomhaireacht le Forbairt Bogearraí
- MT 802 BSc (Onóracha) i gCórais Ríomhaireachta
- MT 803 BSc (Onóracha) sa Ríomhaireacht
- MT 804 BSc (Onóracha) i Ríomhaireacht le Forbairt Cluichí
- MT 811 BA (Onóracha) i mBeochan, Éifeachtaí Amhairc agus Dearadh Gluaisne*
- MT 820 BA (Onóracha) san Ealaín Fheidhmeach Chomhaimseartha (Criadóireacht, Gloine, Teicstílí)*
- MT 821 BA (Onóracha) sa Mhínealaín*
- MT 822 BA (Onóracha) sa Ghrianghrafadóireacht leis na Meáin Nua*
- MT 823 BA (Onóracha) sa Chumarsáid Amhairc*
- MT 830 Innealtóireacht (Iontráil Choiteann)
- MT 831 BEng (Onóracha) san Innealtóireacht Struchtúrach
- MT 834 BEng (Onóracha) in Innealtóireacht Mheicniúil agus Déantúsaíochta*
- MT 836 BEng (Onóracha) san Innealtóireacht Mheicniúil
- MT 837 BEng (Onóracha) in Innealtóireacht Fuinnimh Inbhuanaithe
- MT 838 BEng (Onóracha) in Innealtóireacht Cheimiceach agus Bhithchógaisíochta
- MT 839 BEng (Onóracha) san Innealtóireacht Bhithleighis
- MT 871 BSc (Onóracha) san Eolaíocht Bhithleighis
- MT 880 BSc (Onóracha) i mBitheolaíocht Fiadhúlra
- MT 910 BBus (Onóracha) i mBainistíocht Spóirt agus Aclaíochta
- MT 911 BSc (Onóracha) i Sláinte agus Fóillíocht
- MT 912 BSc (Onóracha) i Sláinte agus Fóillíocht le Suathaireacht
- MT 913 BSc (Onóracha) i Feidhmíocht Cóitseála agus Spóirt
- MT 914 BSc (Onóracha) i Spóirt agus Gníomhaíocht Choirp Lánpháirtíochta
- MT 915 BSc (Onóracha) in Eolaíocht Chóitseála agus Oideolaíocht Spóirt
- MT 925 BA (Onóracha) i gComhairliúchán le hAndúil
- MT 926 BSc (Onóracha) in Altranas Ginearálta
- MT 927 BSc (Onóracha) in Altranas Sláinte Meabhreach
- MT 930 BA (Onóracha) in Eacnamaíocht Bhaile agus Gnó
- MT 936 BMus (Onóracha)*
- MT 937 BA (Onóracha) sa Cheol Móréilimh*
- MT 938 BA (Onóracha) i dTéatar Ceoil*
- MT 939 BA (Onóracha) i Staidéar Téatair agus Drámaíochta*
- MT 942 BBus (Onóracha) sa Chuntasaíocht
- MT 945 BBus (Onóracha) i nGnó Idirnáisiúnta le Teanga
- MT 946 BSc (Onóracha) i nGnó Domhanda agus Staidéir Phiolótacha*
- MT 970 BEd (Onóracha) in Oideachas Montessori
- CK 409 BSc (Onóracha) san Fhísic Thionsclaíoch
- CK 606 BSc (Onóracha) san Ailtireacht

*Tá nósanna imeachta measúnaithe luatha i bhfeidhm

Leaving Certificate or Equivalent Examination Applicant

For most Higher Certificates (NFQ Level 6) and Degrees (NFQ Level 7) the minimum entry requirements are five Leaving Certificate subjects or equivalent examinations, obtaining a minimum grade O6/H7 in English or Irish, O6/H7 grade in Maths, and O6/H7 grade in three other subjects (**see exceptions listed below**).

For most Honours Degrees (NFQ Level 8) the minimum entry requirements are six Leaving Certificate subjects or equivalent examinations, obtaining a minimum grade of two H5 and four O6/H7. Candidates are required to obtain a minimum of O6/H7 grade in Maths, and English or Irish (**see exceptions listed below**).

Minimum entry requirements may be satisfied by the results of more than one Leaving Certificate. The minimum entry requirements may be varied for non-standard applicants and holders of QQI-FET awards.

Exceptions

Minimum entry requirements are different for the following programmes

- MT 510 BBus in Recreation and Leisure Management
- MT 511 BSc in Health and Leisure
- MT 512 BSc in Health and Leisure with Massage
- MT 513 BSc in Coaching and Sports Performance
- MT 514 BSc in Inclusive Sport and Physical Activity
- MT 571 BA in Early Childhood Education and Care
- MT 572 BA in Early Childhood Education & Care
- MT 573 BA in Social Care Work
- MT 574 BA in Social Care
- MT 575 BA in Community Development
- MT 654 HC in Arts in Hospitality Studies
- MT 655 HC in Arts in Culinary Studies
- MT 711 BA in Animation, Visual Effects and Motion Design*
- MT 764 BEng in Marine Engineering
- MT 765 BEng in Marine Electrotechnology
- MT 766 BSc in Nautical Science
- MT 800 BSc (Honours) in Software Development
- MT 801 BSc (Honours) in Computing with Software Development
- MT 802 BSc (Honours) in Computer Systems
- MT 803 BSc (Honours) in Computing
- MT 804 BSc (Honours) in Computing with Games Development
- MT 811 BA (Honours) in Animation, Visual Effects and Motion Design*
- MT 820 BA (Honours) in Contemporary Applied Art (Ceramics, Glass, Textiles)*
- MT 821 BA (Honours) in Fine Art*
- MT 822 BA (Honours) in Photography with New Media*
- MT 823 BA (Honours) in Visual Communications*
- MT 830 Engineering (Common Entry)
- MT 831 BEng (Honours) in Structural Engineering
- MT 834 BEng (Honours) in Mechanical and Manufacturing Engineering*
- MT 836 BEng (Honours) in Mechanical Engineering
- MT 837 BEng (Honours) in Sustainable Energy Engineering
- MT 838 BEng (Honours) in Chemical and Biopharmaceutical Engineering
- MT 839 BEng (Honours) in Biomedical Engineering
- MT 871 BSc (Honours) in Biomedical Science
- MT 880 BSc (Honours) in Wildlife Biology
- MT 910 BBus (Honours) in Sport and Exercise Management
- MT 911 BSc (Honours) in Health and Leisure
- MT 912 BSc (Honours) in Health and Leisure with Massage
- MT 913 BSc (Honours) in Coaching and Sports Performance
- MT 914 BSc (Honours) in Inclusive Sport and Physical Activity
- MT 915 BSc (Honours) in Coaching Science and Sports Pedagogy
- MT 925 BA (Honours) in Counselling with Addiction
- MT 926 BSc (Honours) in General Nursing
- MT 927 BSc (Honours) in Mental Health Nursing
- MT 930 BA (Honours) in Home Economics and Business
- MT 936 BMus (Honours)*
- MT 937 BA (Honours) in Popular Music*
- MT 938 BA (Honours) in Musical Theatre*
- MT 939 BA (Honours) in Theatre and Drama Studies*
- MT 942 BBus (Honours) in Accounting
- MT 945 BBus (Honours) in International Business with Language
- MT 946 BSc (Honours) in Global Business and Pilot Studies*
- MT 970 BEd (Honours) in Montessori Education
- CK 409 BSc (Honours) in Industrial Physics
- CK 606 BSc (Honours) in Architecture

*Early assessment procedures apply

Matamaitic Bunleibhéil

Comhlíonann íosghráid F2 sa mhatamaitic bunleibhéil na riachtanas iontrála íosta sa mhatamaitic do na cláir seo a leanas

- MT 541 Baitsiléir Gnó
- MT 571 BA in Oideachas agus Cúram Luath-Óige
- MT 574 BA i gCúram Sóisialta
- MT 654 HC sna hEalaíona i Staidéar Fáilteachais
- MT 655 HC sna hEalaíona i Staidéar Cócaireachta
- MT 941 Baitsiléir Gnó (Onóracha)
- MT 971 BA (Onóracha) in Oideachas agus Cúram Luath-Óige
- MT 974 BA (Onóracha) i gCúram Sóisialta

Ní theastaíonn matamaitic chun iontráil i:

- MT 575 BA i bhForbairt Pobail
- MT 572 BA in Oideachas agus Cúram Luath-Óige
- MT 820 BA (Onóracha) san Ealaín Fheidhmeach Chomhaimseartha (Criadóireacht, Gloine, Teicstílí)
- MT 821 BA (Onóracha) sa Mhínealaín
- MT 822 BA (Onóracha) sa Ghrianghrafadóireacht leis na Meáin Nua
- MT 823 BA (Onóracha) sa Chumarsáid Amhairc
- MT 936 BA (Onóracha) sa Cheol
- MT 937 BA (Onóracha) sa Cheol Mórílimh
- MT 938 BA (Onóracha) i dTéatar Ceoil
- MT 939 BA (Onóracha) i Staidéar Téatair agus Drámaíochta

Cé nach riachtanas é, má ghnóthaíonn iarratasóir grád íosta F2 i matamaitic bhunleibhéil aithnítear an grád seo le haghaidh iontrála agus bronntar pointí CAO mar seo a leanas: F1 = 20 pointe, F2 = 12 phointe.

Tugtar breac-chuntas ar mhionsonraí iomlána na riachtanas iontrála íosta do chúrsaí sa mhír faisnéise cúrsa ábhartha den réamheolaire seo. Moltar d'iarratasóirí na hábhair, tástálacha, punanna agus dátaí ábhartha a sheiceáil go cúramach. Go háirithe, tá nósanna imeachta measúnaithe luatha ann le haghaidh roinnt cúrsaí.



Foundation Level Maths

A minimum grade of F2 in foundation level Maths fulfils the minimum entry requirements in Maths for the following programmes

- MT 541 Bachelor of Business
- MT 571 BA in Early Childhood Education and Care
- MT 574 BA in Social Care
- MT 654 HC in Arts in Hospitality Studies
- MT 655 HC in Arts in Culinary Studies
- MT 941 Bachelor of Business (Honours)
- MT 971 BA (Honours) in Early Childhood Education and Care
- MT 974 BA (Honours) in Social Care

Maths is not required for entry to:

- MT 575 BA in Community Development
- MT 572 BA in Early Childhood Education & Care
- MT 820 BA (Honours) in Contemporary Applied Art (Ceramics, Glass, Textiles)
- MT 821 BA (Honours) in Fine Art
- MT 822 BA (Honours) in Photography with New Media
- MT 823 BA (Honours) in Visual Communications
- MT 936 BA (Honours) in Music
- MT 937 BA (Honours) in Popular Music
- MT 938 BA (Honours) in Musical Theatre
- MT 939 BA (Honours) in Theatre and Drama Studies

Although not a requirement, if an applicant achieves a minimum grade of F2 in foundation level Maths this grade is recognised for entry and CAO points are awarded as follows: F1 = 20 points, F2 = 12 points.

Full details of minimum entry requirements for courses are outlined in the relevant course information section of this prospectus. Applicants are advised to check the relevant subjects, tests, portfolios, and dates very carefully. In particular, there are early assessment procedures for some courses.



Córais Pointí CAO

Bronnfar pointí ar ghnáthiarratasóirí ar chúrsaí na chéad bhliana tríd an ngnáthscála pointí CAO a chur i bhfeidhm ar na torthaí a fhaightear i Scrúdú na hArdteistiméireachta. Meabhraítear d'iarratasóirí go n-athraíonn leibhéal na bpointí gach bliain de réir an tsoláthair agus an éilimh ar áiteanna. Úsáidfeadh na SÉ torthaí is fearr in aon suí amháin den Scrúdú Ardteistiméireachta chun pointí a ríomh.

NB: Tá ríomh na bpointí neamhspleách ar na riachtanais iontrála íosta.

Comhscála Pointí na hArdteistiméireachta

Tá 8 ngrád ag Comhscála Pointí na hArdteistiméireachta, is é an grád is airde Grád 1, an grád is ísle Grád 8. Roinneann na seacht ngrád is airde 1 – 7 an raon marcanna 100% go 30% i seacht mbanda gráid comhionanna atá 10% ar leithead, agus bronntar grád 8 ar mharcanna céatadán níos lú ná 30%. Déantar idirdhealú idir na gráid ag ardleibhéal agus gnáthleibhéal trí H nó O a chur roimhe faoi seach, ag tabhairt H1 – H8 ag an ardleibhéal agus O1 – O8 ag an ngnáthleibhéal.

Grád (%)	Pointí	Grád (%)	Pointí
H1 (90-100)	100		
H2 (80<90)	88		
H3 (70<80)	77		
H4 (60<70)	66		
H5 (50<60)	56	O1 (90-100)	56
H6 (40<50)	46	O2 (80<90)	46
H7 (30<40)	37	O3 (70<80)	37
H8 (0<30)	0	O4 (60<70)	28
		O5 (50<60)	20
		O6 (40<50)	12
		O7 (30<40)	0

Déanfaidh an CAO torthaí na n-iarratasóirí a bhfuil torthaí Ardteistiméireachta roimh 2017 acu a mhapáil go díreach ar an gcomhscála pointí thuas. Féach cao.ie le haghaidh tuilleadh sonraí.

Scóráil Pointí do Nasc-mhodúl an Ghairmchláir Ardteistiméireachta (LCVP)

Déanann sealbhóirí an Ghairmchláir Ardteistiméireachta iarratas ar an ngnáthbhealach tríd an CAO. Bronntar pointí ar an mbonn céanna leis an Ardteistiméireacht. Ní féidir na nasc-mhodúil 'ábhar' a úsáid chun na riachtanais iontrála íosta a chomhlíonadh.

Grád LCVP	Pointí
Gradam	66
Fiúntas	46
Pas	28

Clár na hArdteistiméireachta Feidhmí (LCA)

Ní chomhlíonann ábhair an LCA na híosriachtanais maidir le hiontráil ar chúrsaí lánaimseartha OTM. B'fhéidir gur mhaith le sealbhóirí cáilíochtaí na hArdteistiméireachta Feidhmí dul ar aghaidh chuig cúrsa BOO-DCCÉ agus ansin iarratas a dhéanamh ar thríú leibhéal ar bhonn a ndámhachtainí BOO-DCCÉ.

Comhscála Pointí Bónais do Mhatamaitic Ardleibhéil

Bronntar bónas 25 pointe ar iarratasóirí a ghnóthaíonn grád H6 nó níos airde sa mhatamaitic Ardleibhéil.

Foirmlé:

- Cuirfeadh 25 pointe leis an scór don mhatamaitic do gach mac léinn a bhain toradh H6 nó níos airde amach i matamaitic Ardleibhéil.

Déanfar na sé scór pointí ábhair is airde a chomhaireamh ansin chun scór pointí carnacha a bhaint amach. Is é seo an gnáthchleachtas. Ní bheidh na pointí bónais tábhachtach ach i gcásanna ina scóráiltear an t-ábhar matamaitic Ardleibhéil (pointí bónais san áireamh) mar cheann de sé ábhar is fearr an iarrthóra chun críocha pointí. Dá bharr sin, mura bhfuil matamaitic Ardleibhéil (scór pointí carnacha) ar cheann de na sé ábhar sin, ní áireofar na pointí bónais sa scór iomlán pointí. Bronnfar pointí bónais beag beann ar an mbliain inar glacadh na scrúduithe.

CAO Points Systems

Standard applicants for first year courses will be awarded points by applying the normal CAO points scale to the results obtained in the Leaving Certificate Examination. Applicants are reminded that the points level varies each year according to supply and demand for places. The SIX best results in one sitting of the Leaving Certificate Examination will be used for points calculation.

NB: Calculation of points is independent of minimum entry requirements.

Leaving Certificate Common Points Scale

The Leaving Certificate Common Points Scale has 8 grades, the highest grade is a Grade 1, the lowest grade a Grade 8. The highest seven grades 1 – 7 divide the marks range 100% to 30% into seven equal grade bands 10% wide, with a grade 8 being awarded for percentage marks of less than 30%. The grades at higher level and ordinary level are distinguished by prefixing the grade with H or O respectively, giving H1 – H8 at higher level, and O1 – O8 at ordinary level.

Grade (%)	Points	Grade (%)	Points
H1 (90-100)	100		
H2 (80<90)	88		
H3 (70<80)	77		
H4 (60<70)	66		
H5 (50<60)	56	O1 (90-100)	56
H6 (40<50)	46	O2 (80<90)	46
H7 (30<40)	37	O3 (70<80)	37
H8 (0<30)	0	O4 (60<70)	28
		O5 (50<60)	20
		O6 (40<50)	12
		O7 (30<40)	0

Applicants presenting with pre-2017 Leaving Certificate results will have their results mapped directly onto the common points scale above by the CAO. See cao.ie for further details.

Points Scoring for Leaving Certificate Vocational Programme (LCVP) Link Module

Holders of the LCVP apply in the normal way through the CAO. Points are awarded on the same basis as for the Leaving Certificate. The link modules 'subject' may not be used to meet the minimum entry requirements.

LCVP Grade	Points
Distinction	66
Merit	46
Pass	28

Leaving Certificate Applied (LCA) programme

The LCA subjects do not meet the minimum requirements for entry to MTU full-time courses. Holders of Leaving Certificate Applied qualifications may wish to proceed to a FET-QQI course and in turn apply to third-level on the basis of their FET-QQI award.

Common Bonus Points Scale for Higher Level Mathematics

A bonus of 25 points is awarded to applicants who achieve a grade H6 or above in higher level (HL) Maths.

Formula:

- All students presenting H6 or above in HL Maths will have 25 points added to their score for Maths.

The six highest subject points scores will then be counted to achieve a cumulative points score, as is normal practice. The bonus points will only be relevant in cases where the subject HL mathematics (including bonus points) is scored as one of the candidate's six best subjects for points purposes. Consequently, if HL mathematics (cumulative points score) is not among these six subjects, the bonus points will not be included in the total points score. Bonus points will be awarded irrespective of the year in which the examinations were taken.

Scrúdú Matamaitice OTM

D'fhéadfadh nach mbainfeadh mac léinn áirithe a dhéanann iarratas ar chúrsaí OTM an caighdeán iontrála riachtanach sa mhatamaitic amach trí scrúdú na hArdteistiméireachta. Maidir le hiarratasóirí den sórt sin, tugann an Ollscoil an dara deis dóibh an caighdeán iontrála riachtanach a bhaint amach trí scrúdú matamaitice OTM. Ligeann áis an dara sheans seo d'iarratasóirí (ag brath ar a dtorthaí i Scrúdú Matamaitice OTM) iontráil a fháil ar chúrsaí le caighdeán iontrála matamaitice Ardteistiméireachta Gnáthleibhéil agus (i gcás leibhéal feidhmíochta níos airde) ar chúrsaí le caighdeán iontrála matamaitice Ardteistiméireachta Ardleibhéil.

Má tá pas ar a laghad ag iarratasóir sa scrúdú matamaitice OTM, i.e. 40%, is féidir leis/léi grád O6/H7 ar a laghad in ábhar Ardteistiméireachta eile a chur in ionad riachtanas gráid O6/H7 ar a laghad sa mhatamaitic Ardteistiméireachta, i.e. caithfidh pas a bheith faighte ag iarratasóir i sé ábhar san Ardteistiméireacht.

Ní mór d'iarratasóirí ar chúrsaí a bhfuil riachtanas matamaitice H4 acu an dara páipéar a shuí agus meán 70% a bhaint amach ar fud an dá pháipéar.

Léiríonn scrúdú matamaitice OTM riachtanais matamaitice iarbhír OTM agus marcáiltear é de réir nós imeachta agus chritéir atá leagtha amach ag OTM. Níl bhaineann sé ach d'iarratasóirí a rinne iarratas ar OTM.

Níl an scrúdú seo éigeantach agus ní dhámhtar pointí CAO dá bharr. Is é an t-aon aidhm atá leis ná an dara sheans a thabhairt do mhac léinn an caighdeán cáilitheach sa mhatamaitic a bhaint amach atá riachtanach le haghaidh iontrála ar chúrsaí áirithe OTM. Ní chuireann sé isteach ar bhealach ar bith ar iarratas a dhéantar ar chúrsaí nó ar choláistí eile laistigh den chóras CAO.

Ní ráthaíonn cáilíocht cháilitheach sa scrúdú matamaitice OTM ann féin áit ar aon chúrsa in OTM. Beidh feidhm i gcónaí ag na scoithphointí do gach cúrsa.

D'fhonn Scrúdú Matamaitice OTM a dhéanamh, **NÍ MÓR IARRATAS A DHÉANAMH AR LÍNE**. Is dóichí go reáchtálfar Scrúdú Matamaitice 2022 OTM Dé Máirt tar éis na seachtaine ina eiseofar torthaí na hArdteistiméireachta. Foilseofar sonraí beachta ar www.mtu.ie/maths níos gaire don dáta.

Má theastaíonn cóiríocht réasúnta uait don scrúdú matamaitice seo, mar gheall ar mhíchumas nó difríocht foghlama, téigh i dteagmháil leis na Seirbhísí Tacaíochta Míchumais:

Campas OTM Chorcaí
R: dssCork@mtu.ie

Campas OTM Chiarraí
R: supportservicesKerry@mtu.ie



MTU Maths Exam

Some students who apply for MTU courses may not achieve the required entry standard in Maths through the Leaving Certificate examination. For such applicants, the University offers a second chance to reach the required entry standard through a MTU Maths Exam. This second chance facility allows applicants (depending on their results in the MTU Maths Exam) to gain entry to courses with an Ordinary Leaving Certificate Maths entry standard and (with a higher level of performance) courses with a Higher Leaving Certificate Maths entry standard.

A minimum of a pass in the MTU Maths Exam i.e. 40% will allow an applicant to replace the Leaving Certificate Maths requirement of Grade O6/H7 minimum with a grade O6/H7 minimum in another Leaving Certificate subject i.e. applicants must have passed six subjects in the Leaving Certificate.

Applicants to courses which have a H4 Maths requirement must sit a second paper and achieve a 70% average across both papers.

The MTU Maths Exam reflects the actual mathematical requirements of MTU and is marked in accordance to procedure and criteria set out by MTU. It is only relevant for applicants who have applied to MTU.

This examination is not obligatory and does not result in the award of CAO points. Its sole purpose is to allow a student a second chance to achieve the qualifying standard in mathematics necessary for admission to certain MTU courses. It does not interfere in any way with an application made to other courses or colleges within the CAO system.

Attaining a qualifying standard in the MTU Maths Exam does not in itself guarantee a place on any course in MTU. The cut-off points for all courses will still apply.

In order to sit the MTU Maths Exam, students **MUST APPLY ONLINE**. The 2022 MTU Maths Exam will most likely be held on Tuesday following the week of the Leaving Certificate results release. Exact details will be published on www.mtu.ie/maths closer to the date.

If you require reasonable accommodation for this Maths Examination, due to a disability or learning difference, please contact the Disability Support Services:

MTU Cork Campus
E: dssCork@mtu.ie

MTU Kerry Campus
E: supportservicesKerry@mtu.ie



Iarratasóirí Lánfhásta

Fáiltíonn an Ollscoil roimh iarratais ó dhaoine a bheidh 23 bliana d'aois agus níos sine an 1 Eanáir den bhliain iontrála atá beartaithe agus ar mian leo teacht isteach mar mhic léinn lánfhásta. Ba chóir d'iarratasóirí lánfhásta iarratas a dhéanamh chuig an CAO roimh 5.15pm, 1 Feabhra. Déanann an Ollscoil breithniú ar gach iarratasóir lánfhásta ar bhonn aonair, tríd an bhfaisnéis a chuirtear ar fáil ar a bhfoirm iarratais CAO de ghnáth. Ina theannta sin, d'fhéadfadh sé go n-iarrafaí orthu punann a chur i láthair nó freastal ar thástáil inniúlachta nó measúnú scríofa agus/nó agallamh. De ghnáth reáchtáiltear iad seo i mí Bhealtaine gach bliain do chláir ina mbíonn siad riachtanach

Ní cheanglaítear ar iarratasóirí lánfhásta Ardteistiméireacht nó na híosphointí iontrála a bheith acu. Mar sin féin, d'fhéadfadh go mbeadh sainriachtanais ag roinnt clár agus ba cheart d'iarratasóirí lánfhásta eolas a chur ar an méid seo. Ba chóir d'iarratasóirí cáipéisíocht a chur faoi iamh maidir le haon chúrsaí a rinne siad ar an dara leibhéal (Teastas Sóisearach agus Ardteistiméireacht) chomh maith le haon chúrsaí gairmiúla agus caitheamh aimsire atá déanta acu, b'fhéidir. **Spreagtar iarratasóirí go láidir chun sonraí faoi na cúrsaí go léir a rinne siad san am atá thart a chur san áireamh, chomh maith le haon fhaisnéis a sholáthar a d'fhéadfadh a gcuid roghanna tosaíochta a léiriú (i.e. taithí oibre/spreagadh/spriocanna, srl.).** Breithneofar na cáilíochtaí seo, mar aon lena ráiteas leasanna, mar chuid den mheasúnú.

Nóta: Féadfar iarratasóirí lánfhásta a mheas ar a nArdteistiméireacht agus pointí DCCÉ. Moltar d'iarratasóirí lánfhásta ar Champas OTM Chiarraí a bhfuil torthaí na hArdteistiméireachta acu teagmháil a dhéanamh le admissionskerry@mtu.ie

Agus an fhoirm iarratais CAO á comhlánú acu, ba chóir dóibh siúd atá ag déanamh iarratais mar mhic léinn lánfhásta tic a chur sa bhosca "lánfhásta" ar an bhfoirm iarratais agus na sonraí ábhartha a chomhlánú. Tá sé an-tábhachtach go gcomhlánaíonn iarratasóirí lánfhásta gach cuid den fhoirm iarratais CAO toisc go gcuirtear an fhaisnéis seo san áireamh agus iarratas an mhic léinn á mheas. Ceanglaítear ar iarratasóirí lánfhásta ó thíortha lasmuigh den AE cáipéisíocht ábhartha a chur isteach maidir lena stádas in Éirinn, sula nglacann siad le cuireadh freastal ar thástálacha inniúlachta nó measúnú scríofa agus/nó agallamh.

Féachfaidh an Ollscoil ar iarratasóirí déanacha (i.e. a ndéanann iarratais ar CAO faoi 5.15pm, 1 Bealtaine). Moltar d'iarratasóirí déanacha fógra a thabhairt d'Oifig Iontrála OTM go díreach tar éis dóibh a n-iarratas CAO a chur isteach. Ní iarrfar ar na hiarratasóirí seo punann a chur isteach nó freastal ar an tástáil inniúlachta nó an measúnú scríofa agus/nó an t-agallamh i mí na Bealtaine ach amháin nuair is gá sin maidir le cláir áirithe. Seachas sin féadfaidh na hiarratasóirí seo tástálacha agus/nó

agallamh a dhéanamh go luath i mí Lúnasa. Ní féidir leis an Ollscoil a ráthú, áfach, go nglaofar ar iarratasóirí déanacha le haghaidh measúnaithe.

Tabhair faoi deara le do thoil go bhféadfadh gur líon na hiarratasóirí a rinne iarratas in am cuóta na n-áiteanna a coinníodh siar ar chláir ardéilimh i mí Bhealtaine. D'fhéadfaí iarratasóirí déanacha a chur ar liosta feithimh má éiríonn leo. Mar sin féin, ní féidir linn áiteanna a ráthú do na hiarratasóirí seo. Ba cheart d'iarratasóirí lánfhásta dul i dteagmháil leis an Oifig Iontrála OTM lena mbaineann má tá siad ag baint leasa as an áis um athrú intinne CAO (i.e. faoin1 ú lúil).

Iarratasóirí ar MT 925 BA (Onóracha) i gComhairliúchán le hAndúil

Tá an clár seo teoranta d'iarratasóirí lánfhásta. Ní mór d'iarratasóirí freastal ar agallamh a eagraíonn an Ollscoil agus caitheadh éirí leo ann. Ina theannta sin, éilítear ar iarratasóirí Ardteistiméireacht (nó a coibhéis) a bheith acu ina bhfuil ar a laghad 2 x H5 agus 4 x O6/H7 NÓ dámhachtain DCCÉ (Leibhéal 5) iomlán le 3 ghradam ar a laghad NÓ próiseas um aitheantas réamhfhoghlama (RPL) a chomhlíonadh leis an Ollscoil NÓ caitheadh a bheith éirithe leo i Measúnú na hOllscoile ar Mhac Léinn Lánfhásta.

Iarratasóirí Lánfhásta ar MT 926 BSc in Altranais Ginearálta agus MT 927 BSc in Altranais Sláinte Meabhrach

Tabhair faoi deara le bhur dtoil gurb é Bord Altranais agus Cnámhseachais na hÉireann a dhéanann an measúnú ar iarratasóirí lánfhásta do chláir altranais go náisiúnta seachas an institiúid ardoideachais ábhartha. Má roghnaíonn tú iarratas a dhéanamh mar iarratasóir lánfhásta, caitheadh éirí leat sa bhliain reatha ag tástáil mheasúnaithe. Ní ráthaíonn rath sa tástáil mheasúnaithe go dtairgtear áit áfach. Tá dátaí ar leith ann don phróiseas measúnaithe seo agus ní mór d'iarratasóirí eolas a chur ar na dátaí seo toisc go bhfuil sé de dhualgas ar an iarratasóir iarratas a dhéanamh ar an tástáil mheasúnaithe i dteannta lena n-iarratas ar an CAO. Tabhair faoi deara le do thoil nach bhfuil spriocdháta d'iarratais déanacha an CAO, is é sin, 5.15pm an 1 Bealtaine ar fáil dóibh siúd nár éirigh leo sa mheasúnú NMBI an bhliain sin. Chun tuilleadh eolais a fháil gabh chuig www.nmbi.ie/Careers-in-Nursing-Midwifery.

Má tá tú ag smaoineamh ar iarratas a dhéanamh ar OTM mar iarratasóir lánfhásta agus má tá aon cheist eile agat, déan teagmháil le:

Campas OTM Chorcaí
Christine Nolan
Oifigeach do Mhic Léinn
Lánfhásta
T: +353 (0)21 432 6777
R: mature.studentcork@mtu.ie

Campas OTM Chiarraí
T: +353 (0)66 714 5638
R: admissionsKerry@mtu.ie

Mature Applicants

The University welcomes applications from persons who will be 23 years of age and over on the 1st January of the proposed year of entry and who wish to be admitted as a mature student. Mature applicants should apply to the CAO before 5.15pm, 1st February. Each mature applicant is considered on an individual basis by the University, usually by the information supplied on their CAO application form. In addition, they may be required to present a portfolio or attend an aptitude test or written assessment and/or interview. These are normally held in May each year for programmes where these are required

Mature applicants are not required to have a Leaving Certificate or the minimum entry points. However, some programmes may have specific requirements and mature applicants should familiarise themselves with these. Applicants should include documentation in relation to any courses that they have undertaken at second level (Junior and Leaving Certificate) as well as any professional and hobby courses that they may have taken. **Applicants are strongly encouraged to include details of all courses that they have completed in the past, as well as providing any information that may reflect their preference choices (i.e. work experience/motivation/goals, etc.).** These qualifications will be considered, along with their statement of interests, as part of the assessment.

Note: Mature applicants may also be considered on their Leaving Certificate and QQI points.

Mature applicants to MTU Kerry Campus who hold Leaving Certificate results are advised to contact admissionskerry@mtu.ie

When completing the CAO application form, those applying as mature students should tick the mature box on the application form and complete the relevant details. It is very important that mature applicants complete all sections of the CAO application form as this information is taken into consideration when assessing the student's application. Mature applicants from outside the EU are required to submit relevant documentation in relation to their status in Ireland, prior to accepting an invitation to attend aptitude tests or written assessment and/or interview.

Late applicants (i.e. by 5.15pm, 1st May) to CAO will be considered by the University. Late applicants are advised to notify the MTU Admissions Office directly after they have submitted their CAO application. Only where required for particular programmes these applicants may be invited to present a portfolio or attend the aptitude test or written assessment and/or interview in May. Otherwise these applicants may undertake tests and/or interviews in early August. However, the University cannot guarantee that late applicants will be called for assessment.

Please note the quota of reserved places on high demand programmes may have been filled in May by the on-time candidates. Late candidates may be put on a waiting list if they are successful. However, we cannot guarantee places to these applicants. Mature applicants should also contact the respective MTU Admissions Office if they avail of the change of mind facility with CAO (i.e. by 1st July).

Applicants to MT 925 BA (Honours) in Counselling with Addiction

This programme is restricted to mature applicants. Applicants must attend and successfully complete an interview which is organised by the University. In addition, applicants are required to hold a Leaving Certificate (or equivalent) with a minimum of 2 x H5 and 4 x O6/H7 OR hold a full QQI (Level 5) award with a minimum of 3 distinctions OR complete a recognition of prior learning (RPL) process with the University OR have successfully completed the University's Mature Student Assessment.

Mature Applicants for MT 926 BSc in General Nursing and MT 927 BSc in Mental Health Nursing

Please note the assessment of mature candidates for nursing programmes nationally is carried out by the Nursing and Midwifery Board of Ireland and not by the relevant HEI. If you choose to apply as a mature applicant, you must be successful in the current year at an assessment test, however, success at the assessment test does not guarantee an offer of a place. There are specific dates for this assessment process and applicants must familiarise themselves with these dates as the onus is on the applicant to apply for the assessment test in addition to their application to the CAO. Please note that the CAO late application deadline of 5.15pm on 1st May is not available to those who have not successfully completed their NMBI assessment that year. For further information go to www.nmbi.ie/Careers-in-Nursing-Midwifery.

If you are considering applying to MTU as a mature applicant and have any further queries, please contact:

MTU Cork Campus

Christine Nolan
Mature Student Officer
T: +353 (0)21 432 6777
E: mature.studentcork@mtu.ie

MTU Kerry Campus

T: +353 (0)66 714 5638
E: admissionsKerry@mtu.ie

Iarratais Catagóire Speisialta

Dámhachtainí DCCÉ-BOO

Fáiltíonn OTM roimh iarratais, tríd an CAO, ó iarratasóirí a bhfuil dámhachtain DCCÉ-BOO acu ag leibhéal 5 nó leibhéal 6. Is féidir do dhámhachtain DCCÉ-BOO a úsáid mar mhalairt ar an Ardteistiméireacht chun críocha iarratais. **Tabhair faoi deara le do thoil go bhfuil roinnt clár staidéir de chuid OTM ar fáil do shealbhóiríon dámhachtana DCCÉ-BOO ar bith ag Leibhéal 5 nó 6 agus beidh dámhachtainí ar leith ag teastáil ó chuid eile.**

Ríomhtar an scór is fearr do gach iarratasóir agus cuirtear na torthaí ar aghaidh chuig an CAO i mí Iúil gach bliain. Is féidir leat do scór a ríomh trí úsáid a bhaint as an áireamhán pointí ar líne saor in aisce ag www.careersportal.ie/qqj/. Tá sé bunaithe ar an gcóras scórála seo a leanas:

Scóráiltear gach comhpháirt leibhéal 5 agus leibhéal 6:

- 3.25 le haghaidh Gradaim
- 2.16 le haghaidh Fiúntais
- 1.08 le haghaidh Pas

Ansin iolraítear an uimhir seo faoi luach creidmheasa na comhpháirte aonair go dtí uasmhéid 120 creidmheas (390 pointe san iomlán). B'fhéidir go mbeadh sé níos éasca luach creidmheasa na comhpháirte aonair a iolrú faoi 3 le haghaidh Gradaim, faoi 2 le haghaidh Fiúntais, agus faoi 1 le haghaidh Pas, ag iolrú faoi 13 agus ag roinnt faoi 12.

Ba chóir d'iarratasóirí a chríochnaigh a ndámhachtain DCCÉ i mbliain roimh bhliain an iarratais a ráiteas torthaí a cheangal lena bhfoirm CAO.

Le haghaidh tuilleadh eolais agus sonraí faoi dhámhachtainí DCCÉ-BOO ar leith a theastaíonn, féach liosta na riachtanas iontrála DCCÉ-BOO ar shuíomh gréasáin CAO http://www.cao.ie/index.php?page=fetac_search

Scéim Rochtana Nasctha d'Iarratasóirí DCCÉ-BOO ar Chúrsaí a sheachdтар ar Champas Chiarraí OTM

Tá **Scéim Rochtana Nascthaá** hoibriú ag OTM do shealbhóirí dámhachtainí DCCÉ-BOO ó Bhord Oideachais agus Oiliúna Chiarraí (BOO). Faoin scéim seo tá roinnt cúrsaí a sheachdтар ar Champas OTM Chiarraí nasctha le cúrsaí ar leith i gColáistí Breisoideachais agus Oiliúna Chiarraí. Féachfar ar iarratasóirí ar na cúrsaí OTM seo, a bhfuil dámhachtain DCCÉ-BOO ábhartha acu, ar phointí laghdaithe CAO. Coinníonn an Ollscoil 5% d'áiteanna siar ar a laghad i mbliain a haon dár gcúrsaí nasctha d'iarratasóirí a ghnóthaíonn dámhachtainí/gradaim ar leith sa chúrsa DCCÉ-BOO.

Ní mór d'iarratasóirí na critéir seo a leanas a chomhlíonadh chun go bhféachfar orthu:

1. Dámhachtain DCCÉ nasctha iomlán ar a laghad a bhaint amach atá le cur san áireamh le haghaidh clár leibhéil 7
NÓ
2. Dámhachtain DCCÉ nasctha iomlán le 3 ghradam ar a laghad a bhaint amach atá le cur san áireamh le haghaidh clár leibhéil 8.

Iarratas chuig CAO ar an gclár/ na clár ábhartha a chomhlánú AGUS foirm iarratais Champas Chiarraí OTM a chomhlánú. Déanfar tairiscintí CAO i mBabhta 0 (go luath i mí Lúnasa) agus ní bheidh ar iarratasóirí dul san iomaíocht le mic léinn Ardteistiméireachta i mBabhta 1.

Tabhair faoi deara le do thoil go bhféadfadh ainmneacha cúrsaí BOO CHIARRAÍ athrú beagáinín, mar sin déanfar an t-iarratas a mheas ar an gCód DCCÉ, i.e. 5M2102 srl.

Le haghaidh tuilleadh eolais déan teagmháil le:

[Campas OTM Chiarraí](#)

R: admissionsKerry@mtu.ie

Scéim na gColáistí Breisoideachais (CCPS) - d'Iarratasóirí DCCÉ-BOO ar Chúrsaí a sheachdтар ar Champas OTM Chorcaí

Tá scéim speisialta ag OTM chun mic léinn a ligean isteach a n-éiríonn leo cúrsaí i gColáistí Breisoideachais (BO) i gCorcaigh a chríochnú. Faoin scéim seo tá roinnt cúrsaí a sheachdтар ar Champas OTM Chorcaí nasctha le cúrsaí áirithe sna coláistí BO agus coinníonn an Ollscoil roinnt áiteanna siar ar a cúrsaí nasctha d'iarratasóirí a ghnóthaíonn leibhéil shonraithe agus riachtanais eile ina ndámhachtainí.

Coláistí Breisoideachais Chorcaí

Coláiste Tráchtála Chorcaí

Coláiste Stiofáin Naofa

Coláiste Breisoideachais na Cathrach Thuaidh

Coláiste Lárnach Naomh Eoin

Coláiste Breisoideachais Chionn tSáile

Coláiste Breisoideachais Mhala

Le haghaidh tuilleadh eolais déan teagmháil le:

[Campas OTM Chorcaí](#)

R: admissionsCork@mtu.ie

Special Category Applicants

QQI-FET Awards

MTU welcomes applications, via the CAO, from applicants who hold a QQI-FET award at level 5 or level 6. Your QQI-FET award can be used as an alternative to the Leaving Certificate for application purposes. **Please note some MTU programmes of study are available to holders of any QQI-FET Level 5 or 6 award, while others will require specific awards.**

The best score for each applicant is calculated and the results are forwarded to the CAO in July of each year. You can calculate your score using the free online points calculator at www.careersportal.ie/qqi/ which is based on the following scoring system:

Each level 5 and level 6 component is scored:

- 3.25 for a Distinction
- 2.16 for a Merit
- 1.08 for a Pass

This number is then multiplied by the individual component credit value to a maximum of 120 credits (a total of 390 points).

It may be easiest to multiply the individual component credit value by 3 for Distinction, 2 for Merit, and 1 for Pass, multiplying by 13 and dividing by 12.

Applicants who completed their QQI award in a year previous to the year of application should attach their statement of results to their CAO form.

For further information and details of specific QQI-FET awards required please refer to the QQI-FET entry requirement listing on the CAO website http://www.cao.ie/index.php?page=fetac_search

Linked Access Scheme for QQI-FET Applicants to Courses delivered on MTU Kerry Campus

MTU operates a **Linked Access Scheme** for holders of QQI-FET awards from Kerry Education and Training Board (ETB). Under this scheme a number of courses delivered in the MTU Kerry Campus are linked to specific courses in the Kerry ETB Colleges of Further Education. Applicants to these MTU courses, who hold a relevant QQI-FET award, will be considered on reduced CAO points. The University reserves a minimum of 5% of places in year one of our linked courses for applicants achieving specific awards/distinctions in the QQI-FET course.

Applicants must meet the following criteria in order to be considered:

1. Achieve a minimum of a full linked QQI award to be considered for a level 7 programme
OR
2. Achieve a full linked QQI award, with a minimum of 3 distinctions, to be considered for a level 8 programme.

Complete an application to CAO in for the relevant programme(s) AND complete the MTU Kerry Campus application form. CAO offers will be made in Round 0 (early August) and applicants will not have to compete with Leaving Certificate students in Round 1.

Please note that the KERRY ETB course names may vary slightly, so the application will be considered on the QQI Code i.e. 5M2102 etc.

For further information contact:

[MTU Kerry Campus](#)

E: admissionsKerry@mtu.ie

Further Education Colleges Scheme (CCPS) – for QQI-FET applicants to courses delivered on MTU Cork Campus

MTU has a special scheme for the admission of students who successfully complete courses in Further Education (FE) Colleges in Cork. Under this scheme a number of courses delivered in MTU Cork Campus are linked to certain courses in the FE colleges and the University reserves a number of places on its linked courses for applicants achieving specified levels and other requirements in their awards.

Cork Further Education Colleges

Cork College of Commerce

Coláiste Stiofáin Naofa

CityNorth College of Further Education

St John's Central College

Kinsale College of Further Education

Mallow College of Further Education

For further information contact:

[MTU Cork Campus](#)

E: admissionsCork@mtu.ie

Clár Rochtana do Thaistealaithe - Campas OTM Chiarraí

Coinníonn OTM roinnt áiteanna siar ar a chlár a sheachadtar ar Champas Chiarraí do rannpháirtithe ó phobal na dThaistealaithe. Ba chóir d'iarratasóirí:

1. Iarratas a chur isteach chuig an CAO (mar iarratasóir Ardeistiméireachta agus tic a chur le Chatagóir 5 'Scrúduithe Scoile Eile') roimh 5:15pm, 1ú Feabhra
2. Foirm iarratais OTM a chomhlánú agus a sheoladh ar ais mar aon le curriculum vitae, chuig Oifig Iontrála OTM an Champais Thuaidh roimh 5:15pm, 1ú Feabhra
3. Freastal ar agallamh agus/nó measúnú le OTM Chiarraí agus é a chríochnú go rathúil.

Ní mór d'iarratasóirí na híosriachtanais iontrála ar leith a chomhlíonadh i leith gach cláir mar a shonraítear le haghaidh HEAR. Má tá ceisteanna agat, seol ríomhphost chuig accesskerry@mtu.ie

Bealach Rochtana Ardoideachais (HEAR)

Is scéim coláiste agus ollscoile é an Bealach Rochtana Ardoideachais (HEAR) a thairgeann áiteanna ar phointí laghdaithe agus tacaíocht bhreise coláiste do lucht fágála scoile ó chúlraí faoi mhíbhuntáiste socheacnamaíoch atá ina gcónaí i bPoblacht na hÉireann.

Cé ba chóir dó iarratas a dhéanamh ar HEAR?

Is do lucht fágála scoile atá faoi bhun 23 bliana d'aois amhail an 1ú Eanáir 2022 agus atá ina gcónaí i bPoblacht na hÉireann atá HEAR. Ní mór d'iarratasóirí HEAR raon táscairí airgeadais, sóisialta agus cultúrtha a chomhlíonadh chun go mbreithneofar iad le haghaidh áit pointí laghdaithe agus tacaíochta breise ón gcoláiste.

Conas iarratas a dhéanamh ar HEAR

Ní féidir iarratais HEAR a dhéanamh ach ar líne ag www.cao.ie. Sa bhliain iontrála, éilítear ar iarratasóirí:

1. **Faoi 5:15pm ar an 1 ú Feabhra**, iarratas a dhéanamh ar líne chuig an CAO.
2. **Faoi 5:15 pm ar an 1ú Márta**, cuir in iúl i d'iarratas CAO le do thoil gur mian leat cur isteach ar an scéim HEAR. Ní mór duit gach uile gné den fhoirm HEAR a chomhlánú go hiomlán agus go cruinn.
3. **Faoi 5:15pm ar an 15ú Márta**, cuir isteach fianaise ábhartha chun tacú le d'iarratas chuig an CAO, le do thoil.

Coinníoll tairisceana HEAR

Caithfidh mic léinn a fhaigheann tairiscint HEAR freastal ar chlár threoshuimh éigeantach. Tugtar réimse tacaíochtaí acadúla, pearsanta agus sóisialta do mhic léinn HEAR agus iad ag staidéar ag an tríú leibhéal.

Le haghaidh tuilleadh eolais féach www.accesscollege.ie

Campas OTM Chorcaí

R: hearCork@mtu.ie

Campas OTM Chiarraí

Veronique Lostal-Davern

R: veronique.lostaldavern@mtu.ie

R: hearky@mtu.ie

Traveller Access Programme - MTU Kerry Campus

MTU reserves a number of places on its programmes delivered on the Kerry Campus for participants from the Traveller community. Candidates should:

1. Apply to CAO (as a Leaving Certificate applicant and tick Category 5 'Other School Exams' applicant) before 5.15pm, 1st February
2. Complete an MTU application form and return, with a curriculum vitae, to the Admissions Office MTU Kerry North Campus before 5.15pm, 1st February
3. Attend and successfully complete an interview and/or assessment with MTU Kerry.

Candidates must meet the minimum specific entry requirements for all programmes as specified for HEAR. If you have queries, please email accesskerry@mtu.ie

Higher Education Access Route (HEAR)

The Higher Education Access Route (HEAR) is a college and university scheme that offers places on reduced points and extra college support to school leavers from socioeconomically disadvantaged backgrounds who are resident in the Republic of Ireland.

Who should apply to HEAR?

HEAR is for school leavers under the age of 23 as of 1st January 2022 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.

How to apply to HEAR?

HEAR applications can only be made online at www.cao.ie. On the year of entry, applicants are required to:

1. **By 5.15 pm on 1st February**, apply online to CAO.
2. **By 5.15 pm on 1st March**, please indicate in your CAO application that you wish to apply for the HEAR scheme and you must fully and correctly complete all elements of the HEAR form.
3. **By 5.15 pm on 15th March**, please submit relevant evidence in support of your application to the CAO.

Condition of a HEAR offer

Students who receive a HEAR offer must attend a compulsory orientation programme. HEAR students are offered a variety of academic, personal, and social supports while studying at third level.

For further information please refer to www.accesscollege.ie

MTU Cork Campus
E: hearCork@mtu.ie

MTU Kerry Campus
Veronique Lostal-Davern
E: veronique.lostaldavern@mtu.ie
E: hearky@mtu.ie

Bealach Rochtana Míchumais chuig an Oideachas (DARE)

Is scéim iontrála mhalartach tríú leibhéal é an Bealach Rochtana Míchumais chuig an Oideachas (DARE) do lucht fágála scoile a raibh tionchar diúltach ag a gcuid míchumais ar a gcuid oideachais dara leibhéal. Cuireann DARE áiteanna pointí laghdaithe ar fáil do lucht fágála scoile a raibh dúshláin bhreise oideachais acu san oideachas dara leibhéal, mar thoradh ar mhíchumas a bheith orthu.

Cé atá in ann iarratas a dhéanamh ar DARE?

Tá Dare ar fáil do lucht fágála scoile atá faoi bhun 23 bliana d'aois amháil an 1ú Eanáir 2022, atá faoi mhíchumas agus ar imir a míchumas tionchar ar a gcuid oideachais mar thoradh ar an míchumas sin.

Is féidir le hiarratasóirí ar DARE Ardteistiméireacht as Éirinn, A-Leibhéal agus/nó cáilíochtaí eile ón AE a chur i láthair. Tá bealaí iontrála difriúla ag mic léinn lánfhásta agus ag mic léinn a dhéanann iarratas ar bhonn thorthaí Breisoideachais agus Oilíúna (BOO).

Cad iad na cineálacha míchumais a ghlacann DARE san áireamh?

- Neamhord easnaimh aire (ADD) / Neamhord hipirghníomhaíochta easnaimh aire (ADHD)
- Speictream uathachais / Asperger's
- Dall/lagradhairc
- Bodhar/lagéisteachta
- Neamhord comhordaithe forbartha (diospraice / diosghraife)
- Coinníoll sláinte meabhrach m.sh. dúlagar, déphólach, imní
- Coinníoll néareolaíoch m.sh. gortú inchinne, titimeas
- Míchumas coirp m.sh. airtríteas, pairilis cheirbreach
- Tinneas suntasach leanúnach m.sh. diaibéiteas cineál 1, fiobróis chisteach, tuirse ainsealach
- Deacracht cumarsáide urlabhra agus teanga
- Deacracht shonrach foghlama (lena n-áirítear disléicse agus dyscalculia)

Conas iarratas a dhéanamh ar DARE

Ní féidir iarratais DARE a dhéanamh ach ar líne ag www.cao.ie. Sa bhliain iontrála, éilítear ar iarratasóirí:

1. **Faoi 5:15pm ar an 1 ú Feabhra**, iarratas a dhéanamh ar líne chuig an CAO.
2. **Faoi 5:15pm ar an 1ú Márta**, nocht do mhíchumas/deacracht shonrach foghlama i d'iarratas CAO le do thoil agus comhlánaigh cuid A den fhoirm eolais fhorlíontach (SIF) ina hiomláine agus i gceart.
3. **Faoi 5:15pm ar an 1ú Márta**, déan iarratas chuig DARE agus ní mór duit freagra DEARFACH a thabhairt ar cheist 1 i gcuid A den SIF agus í comhlánaithe ina hiomláine.
4. **Faoi 5:15pm ar an 15ú Márta**, cuir isteach gach doiciméad ábhartha is gá chun d'iarratas chuig an CAO a chríochnú.

Cad iad na buntáistí a bhaineann le DARE?

Má dhéanann tú iarratas chuig DARE agus má chomhlíonann tú na critéir iarratais (is é sin, má mheastar go bhfuil tú incháilithe le haghaidh DARE) féadfar áit a thairiscint duit fiú mura bhfuil go leor pointí Ardteistiméireachta agat don chúrsa is fearr leat. Coinníonn gach coláiste agus ollscoil rannpháirteach líon airithe áiteanna ar leataobh chun iad a thairiscint d'iarratasóirí DARE incháilithe ag pointí Ardteistiméireachta níos ísle nó laghdaithe. Má tá ceann amháin nó níos mó de na míchumais atá sa liosta thuas ort agus má bhí tionchar diúltach ag do mhíchumas ar d'oideachas dara leibhéal, ba cheart duit iarratas a dhéanamh ar DARE.

Le bheith incháilithe le haghaidh DARE caithfidh tú critéir DARE um tionchar ar oideachas agus fianaise DARE ar chritéir míchumais araon a chomhlíonadh. Le haghaidh tuilleadh eolais féach www.accesscollege.ie

Campas OTM Chorcaí

T: +353 (0)21 433 5138

R: darecork@mtu.ie

Campas OTM Chiarraí

T: +353 (0)66 714 5636

R: dareky@mtu.ie

Mic Léinn faoi Míchumas agus Difríocht Foghlama

Má tá míchumas /difríocht foghlama ort a chreideann tú gur chóir aird na hOllscoile a dhíriú orthu, cuir tic sa chuid seo ar fhoirm iarratais an CAO. Téigh i dteagmháil le do thoil, le Seirbhísí Tacaíochta Míchumais OTM chun áiseanna, tacaíochtaí agus cóiríochtaí réasúnta a phlé.

Campas OTM Chorcaí

T: +353 (0)21 433 5138

R: DSSCork@mtu.ie

Campas OTM Chiarraí

T: +353 (0)66 719 1722

R: supportservicesKerry@mtu.ie

Scrúduithe Fágála Scoile Eile

Ba chóir d'iarratasóirí a chuaigh faoi scrúduithe fágála scoile lasmuigh d'Éirinn, a chuaigh faoi scrúduithe in Éirinn nó sa RA roimh 1985 nó a rinne an ATF, Gairmcháilíochtaí Náisiúnta Ginearálta (GNVQ), Gairmtheastais Oideachais (VCE), nó scrúduithe máithreánacha Éireannacha iarratas a dhéanamh chuig an CAO. Déanfaidh an CAO na hiarratais seo agus na pointí dámhachtana a mheas atá coibhéiseach leo siúd a bhronntar ar iarratasóirí ag a bhfuil Ardteistiméireacht na hÉireann. Féach ar www.cao.ie chun tuilleadh eolais a fháil.

Disability Access Route to Education (DARE)

The Disability Access Route to Education (DARE) is a third level alternative admissions scheme for school leavers whose disabilities have had a negative impact on their second level education. DARE offers reduced points places to school leavers who, as a result of having a disability, have experienced additional educational challenges in second level education.

Who can apply to DARE?

DARE is for school leavers under the age of 23 as of 1st January 2022 with a disability, who have been educationally impacted as a result of that disability.

Applicants to DARE can present with an Irish Leaving Certificate, A-Levels and/or other EU qualifications. Mature students and students applying on the basis of Further Education and Training (FET) results have different admission routes.

What types of disabilities does DARE consider?

- Attention deficit disorder (ADD)/Attention deficit hyperactivity disorder (ADHD)
- Autistic spectrum/Asperger's
- Blind/vision impaired
- Deaf/hard of hearing
- Developmental coordination disorder (dyspraxia/dysgraphia)
- Mental health condition e.g. depression, bipolar, anxiety
- Neurological condition e.g. brain injury, epilepsy
- Physical disability e.g. arthritis, cerebral palsy
- Significant on-going illness e.g. diabetes type 1, cystic fibrosis, chronic fatigue
- Speech and language communication difficulty
- Specific learning difficulty (including dyslexia and dyscalculia)

How to apply to DARE?

DARE applications can only be made online at www.cao.ie. On the year of entry, applicants are required to:

1. **By 5.15 pm on 1st February**, apply online to CAO.
2. **By 5.15 pm on 1st March**, please disclose your disability/specific learning difficulty in your CAO application and fully and correctly complete section A of the supplementary information form (SIF).
3. **By 5.15 pm on 1st March**, apply to DARE and you must answer YES to question 1 on section A of the fully completed SIF.
4. **By 5.15 pm on 15th March**, please submit all relevant documents required to complete your application to the CAO.

What are the benefits of DARE?

If you apply to DARE and meet the application criteria (that is, are deemed eligible for DARE) you may be offered a place even if you do not have enough Leaving Certificate points for your preferred course. Each participating college and university has a reserved number of places to offer eligible DARE applicants at lower or reduced Leaving Certificate points. If you have one or more of the disabilities listed above and your disability has had a negative impact on your second level education, then you should apply to DARE.

To be eligible for DARE you must meet both the DARE educational impact criteria and DARE evidence of disability criteria. For further information please refer to www.accesscollege.ie

MTU Cork Campus

T: +353 (0)21 433 5138

E: darecork@mtu.ie

MTU Kerry Campus

T: +353 (0)66 714 5636

E: dareky@mtu.ie

Students with Disabilities and Learning Difference

If you have a disability/learning difference which you believe should be brought to the attention of the University, please tick this section on the CAO application form. Please contact the MTU Disability Support Services to discuss facilities, supports and reasonable accommodations.

MTU Cork Campus

T: +353 (0)21 433 5138

E: DSSCork@mtu.ie

MTU Kerry Campus

T: +353 (0)66 719 1722

E: supportservicesKerry@mtu.ie

Other School Leaving Examinations

Applicants who have taken school leaving examinations outside Ireland, who took Irish or UK examinations pre-1985 or who took LCAP, GNVQs, VCEs, or Irish matric examinations should apply to the CAO. The CAO will evaluate these applications and award points which are equivalent to those awarded to Irish Leaving Certificate applicants. Please refer to www.cao.ie for further information.

Iarratasóirí Idirnáisiúnta

Iarratasóirí AE

Féadfaidh iarratasóirí AE iarratas a dhéanamh ar iontráil ar chúrsa sa chéad bhliain ag OTM tríd an CAO. Caithfidh cáilíochtaí atá coibhéiseach le hArdteistiméireacht na hÉireann a bheith ag na mic léinn seo. Déanann an CAO meastóireacht ar na cáilíochtaí.

Tá táillí teagaisc an AE bunaithe ar chónaitheacht agus ní ar shaoránacht. Caithfidh tú a bheith i do chónaitheoir cánach lánaimseartha i dtír AE ar feadh 3 bliana as na 5 bliana deireanacha chun go bhféachfar ort maidir le táillí AE. Tá cónaitheacht chun críche an oideachais eisiata. Má chuireann tú isteach ar chúrsa mar mhac léinn neamh-AE is é seo do stádas ar feadh ré an chúrsa.

Ba cheart do shaoránaigh an AE a chónaigh lasmuigh den AE ar feadh níos mó ná 3 bliana de na 5 bliana atá thart iarratas a dhéanamh trí Oifig Idirnáisiúnta OTM lena mbaineann.

Iarratasóirí neamh-AE

Féadfaidh saoránaigh neamh-AE iarratas a dhéanamh tríd an CAO má tá feidhm ag aon cheann díobh seo a leanas

1. Iad siúd atá ina gcónaí in Éirinn faoi láthair, nó in aon cheann de na 27 mballstát AE atá ann faoi láthair, agus a bhí ina chónaí ansin le níos mó ná trí bliana as na cúig bliana atá thart, agus a bhfuil STAMP4EU aige/aici

2. Iarratasóirí ar bronnadh stádas daonnúil nó dídeanaí orthu agus atá ina gcónaí in Éirinn faoi láthair

3. Tuismitheoirí linbh a rugadh in Éirinn

Ní mór d'iarratasóir ar bith atá ina chónaí lasmuigh den AE faoi láthair nó a bhí ina chónaí lasmuigh den AE le **5 bliana** anuas, teagmháil a dhéanamh leis an Oifig Iontrála OTM chuí chun a fháil amach ar cheart dóibh iarratas a dhéanamh tríd an CAO nó go díreach chuig an Ollscoil agus chun faisnéis a fháil ar an gcúrsa staidéir is mian leo tabhairt faoi. Ba cheart fiosrúcháin den sórt sin a dhéanamh i bhfad roimh an spriocdháta CAO, is é sin, an 1 Feabhra, ag 5.15pm, agus b'fhearr é a dhéanamh roimh an 15ú Nollaig roimhe sin.

Ba cheart do shaoránaigh neamh-AE a bhfuil cónaí orthu lasmuigh den AE iarratas a dhéanamh trí Oifig Idirnáisiúnta OTM.

Chun eolas a fháil ar riachtanais agus iarratais maidir le hiontráil, déan teagmháil le do thoil, le

[Campas OTM Chorcaí](mailto:internationalCork@mtu.ie)

[Campas OTM Chiarraí](mailto:internationalKerry@mtu.ie)

R: internationalCork@mtu.ie **R:** internationalKerry@mtu.ie

Riachtanais Teanga

Seachadtar léachtaí ag OTM trí Bhéarla. Ní mór do gach iarratasóir nach é Béarla a chéad theanga fianaise ar inniúlacht sa Bhéarla a chur ar fáil. Ní mór tástálacha Béarla a dhéanamh tráth nach déanaí ná dhá bhliain roimh thús cláir.

Tabhair faoi deara le do thoil, fiú mura dteastaíonn Scrúdú Inniúlachta Béarla uait chun dul isteach in OTM, b'fhéidir go mbeidh ort ceann a thaispeáint chun críocha víosa. Mar sin déan cinnte go seiceálann tú na riachtanais víosa a bhaineann le do thír.

Is iad seo a leanas na híoschaighdeáin Bhéarla do mhic léinn ionchasacha idirnáisiúnta (nach cainteoirí dúchais Béarla iad) ar mian leo staidéar a dhéanamh ag OTM:

Iarratasóirí ar chúrsaí ar Champas OTM Chiarraí Bliain Fochéime 1:

IELTS 5.5 (5.0 ar a laghad in aon bhandá ar leith)
PTE Acadúil 42

Ardiontráil (iontráil dhíreach go bliain 2, 3 nó 4)

IELTS 6.0
PTE Acadúil 50

Iarchéim

IELTS 6.0
PTE Acadúil 50

Bunleibhéal Béarla

IELTS 4.5
PTE Acadúil 30

Iarratasóirí ar chúrsaí ar Champas OTM Chorcaí

Leibhéal 1 – Gach clár fochéime + cláir innealtóireacht iarchéime, matamaitice agus eolaíocht ríomhaireachta
Leibhéal 2 – cláir iarchéime sna meáin + i ngnó

Leibhéal 1

IELTS 6.0 gan aon chuid faoi bhun 5.5
PTE Acadúil 59 gan aon chuid faoi bhun 56
TOEFL 80 le scóir íosta: Éisteacht – 17; Léitheoireacht – 18; Labhairt – 20; Scríbhneoireacht – 17
Cáilíochtaí Béarla Cambridge 169 gan aon chuid faoi bhun 162
Inniúlacht C2 (CPE) 180 gan aon chuid faoi bhun 162

Leibhéal 2

IELTS 6.5 gan aon chuid faoi bhun 6.0
PTE Acadúil 63 gan aon chuid faoi bhun 59
TOEFL 90 (le scóir íosta: Éisteacht – 23; Léitheoireacht – 21; Labhairt – 22; Scríbhneoireacht – 23
Cáilíochtaí Béarla Cambridge 176 gan aon chuid faoi bhun 169
Inniúlacht C2 (CPE) 180 gan aon chuid faoi bhun 169

International Applicants

EU Applicants

EU applicants may apply for entry to first year of a course at MTU via the CAO. Such students must hold qualifications equivalent to the Irish Leaving Certificate. Qualifications are evaluated by the CAO.

EU tuition fees are based on residency and not citizenship. You must be a full-time tax resident in an EU country for 3 out of the last 5 years to be considered for EU fees. Residency for the purpose of education is excluded. If you enter a course as a non-EU student this will be your status for the duration of the course.

EU citizens who have resided outside the EU for more than 3 years of the previous 5 years, should apply via the relevant MTU International Office.

Non-EU Applicants

Non-EU citizens may also apply via the CAO if any of the following apply

1. Those currently living in Ireland, or any of the current 27 EU member states, and who have been doing so for more than three out of the previous five years, and have a STAMP4EU
2. Applicants who have been granted humanitarian or refugee status and are currently living in Ireland
3. Parents of an Irish born child

Any applicant who is currently, or has in the past **5 years** been, resident outside the EU, must contact the appropriate MTU Admissions Office to enquire whether they should apply via the CAO or direct to the University and to obtain information on the course of study they wish to pursue. Such enquiries should be made well in advance of the CAO closing date of 1st February, at 5.15pm, and preferably not later than the previous 15th December.

Non-EU citizens residing outside of the EU should apply via the MTU International Office.

For entry requirements and applications, please contact

[MTU Cork Campus](#)

[MTU Kerry Campus](#)

E: internationalCork@mtu.ie **E:** internationalKerry@mtu.ie

Language Requirements

Lectures at MTU are delivered through English. All applicants whose first language is not English must provide evidence of English language proficiency. English language tests must be undertaken no more than two years prior to the start of a programme.

Please note even if you do not require an English Language Proficiency Exam for entry to MTU you may be required to provide one for visa purposes so please ensure you check visa requirements for your country.

The minimum English language standards for prospective international students (non-native English speakers) who wish to study at MTU are as follows:

Applicants to Courses at MTU Kerry Campus Undergraduate Year 1:

IELTS 5.5 (No less than a 5.0 in any one band)

PTE Academic 42

Advanced Entry (direct entry to year 2, 3 or 4)

IELTS 6.0

PTE Academic 50

Postgraduate

IELTS 6.0

PTE Academic 50

Foundation English

IELTS 4.5

PTE Academic 30

Applicants to Courses at MTU Cork Campus

Level 1 – All undergraduate programmes + postgraduate engineering, mathematics and computer science programmes

Level 2 – Postgraduate media + business programmes

Level 1

IELTS 6.0 with no section below 5.5

PTE Academic 59 with no section below 56

TOEFL 80 with minimum scores: Listening – 17;

Reading – 18; Speaking – 20; Writing – 17

Cambridge English Qualifications 169 with no section below 162

C2 Proficiency (CPE) 180 with no section below 162

Level 2

IELTS 6.5 with no section below 6.0

PTE Academic 63 with no section below 59

TOEFL 90 (with minimum scores: Listening – 23;

Reading – 21; Speaking – 22; Writing – 23

Cambridge English Qualifications 176 with no section below 169

C2 Proficiency (CPE) 180 with no section below 169

Scoil Cheoil Chorcaí OTM

Riachtanais Iontrála Shonracha

<http://csm.mtu.ie>

Tástáil Iontrála

Dátaí sealadacha don Tástáil Iontrála

1. BMus (Onór.): Dé Sathairn 9 Aibreán 2022
2. BA (Onór.) sa Cheol Móréilimh: Déardaoin 7 go Satharn 9 Aibreán 2022
3. BA (Onór.) i dTéatar an Cheoil: Déardaoin 7 go Satharn 9 Aibreán 2022
4. BA (Onór.) i Staidéar Téatair & Drámaíochta: Dé hAoine 8 go Satharn 9 Aibreán 2022

Tá sonraí faoi gach Tástáil Iontrála ar fáil ar leathanaigh gach cúrsa ar leith ag <http://csm.mtu.ie>

NB: Ní cheadaítear d'iarthóirí torthaí na tástála iontrála a chur siar ó bhliain go chéile.

Déantar tairiscintí atá bunaithe ar thorthaí éisteachta/measúnaithe d'iarratasóirí a chomhlíonann na riachtanais iontrála acadúla íosta, i.e. Ardteistiméireacht i sé ábhar (H5 i ndá ábhar, agus O6/H7 i gceithre ábhar eile). Caithfidh Béarla nó Gaeilge a bheith ar cheann de na hábhair.

Ní mór d'iarratasóirí teacht i láthair le haghaidh éisteachta agus measúnaithe de réir na riachtanas a bhaineann go sonrach leis an gcéim atá i gceist. Marcálfar na héisteachtaí agus na measúnuithe agus beidh uasmhéid 600 pointe ar fáil.

Cuirfear na pointí a leithdháilfear ar an éisteacht/measúnú in iúl don CAO agus seolfar iad ar ríomhphost chuig an iarratasóir faoi dheireadh mhí Bhealtaine. Nuair a bheidh torthaí na hArdteistiméireachta ar fáil, déanfaidh an CAO tairiscintí ar an ngnáthbhealach.

Nuair a chláraítear don chúrsa beidh ar gach mac léinn rathúil dul faoi ghrinnfhiosrúchán an Gharda Síochána.

Ceol MT 936

Is é atá i gceist leis an tástáil iontrála ná taibhiú agus páipéar scríofa a dhéileáil le huraiceacht, teicnící cumadóireachta (armóin), eolas ó chluas agus eolas ginearálta ar an gceol. Is féidir samplaí de pháipéar scríofa na tástála iontrála a íoslódáil ag <http://csm.mtu.ie/bmus-bachelor-of-music> nó is féidir iad a iarraidh ón Riarthóir, Scoil Cheoil Chorcaí OTM, Cé na hAontachta, Corcaigh (r-phost csminfoCork@mtu.ie).

Tugtar breac-chuntas ar riachtanais shonracha do cheoltóirí uirlise agus d'amhránaithe sa Tástáil Iontrála Shamplach. Tabhair faoi deara gur chóir d'amhránaithe Snagcheol agus Pop iarratas a dhéanamh ar MT 937.

Ceol Móréilimh MT 937

Ceanglófar ar iarratasóirí éisteacht a thabhairt ar an uirlis atá roghnaithe acu; dul faoi agallamh; agus páipéar measúnaithe scríofa a dhéanamh. Tá na sonraí ar fáil ag <http://csm.mtu.ie/bapm>

Téatar an Cheoil MT 938

Iarrfar ar iarratasóirí éisteacht amhránaíochta, aisteoireachta agus damhsa a thabhairt. Tá na sonraí ar fáil ag <http://csm.mtu.ie/bamt>

Staidéar Téatair & Drámaíochta MT 939

Iarrfar ar iarratasóirí éisteacht aisteoireachta a thabhairt agus dul faoi agallamh. Tá na sonraí ar fáil ag <http://csm.mtu.ie/batds>

MTU Cork School of Music Specific Entry Requirements

<http://csm.mtu.ie>

Entrance Test

Provisional dates for Entrance Test

1. BMus (Hons): Saturday 9 April 2022
2. BA (Hons) in Popular Music: Thursday 7 to Saturday 9 April 2022
3. BA (Hons) in Musical Theatre: Thursday 7 to Saturday 9 April 2022
4. BA (Hons) in Theatre & Drama Studies: Friday 8 to Saturday 9 April 2022

For details of each Entrance Test visit the individual course pages at <http://csm.mtu.ie>

NB: Candidates are NOT allowed to defer the results of the entrance test from one year to the next.

Offers are made based on audition/assessment results to applicants who meet academic minimum entry requirement, i.e. a Leaving Certificate in six subjects (H5 in two subjects, and O6/H7 in four other subjects). One of the subjects must be English or Irish.

Applicants must present for audition and assessment as per the degree-specific requirements. The auditions and assessments will be marked with a maximum of 600 points being available.

The points allocated to the audition/assessment will be communicated to the CAO and emailed to the applicant by the end of May. When the Leaving Certificate results become available, the CAO will make offers in the usual manner.

Upon registration for the course each successful student will be required to undergo Garda Vetting.

Music MT 936

The entrance test involves a performance and a written paper dealing with rudiments, compositional techniques (harmony), aural, and general musical knowledge. Samples of the entrance test written paper are available to download at <http://csm.mtu.ie/bmus-bachelor-of-music> or upon request from the Administrator, MTU Cork School of Music, Union Quay, Cork (email csminfoCork@mtu.ie).

Specific requirements for instrumentalists and singers are outlined in the Sample Entrance Test. Please note Jazz and Pop singers should apply for MT 937.

Popular Music MT 937

Applicants will be required to audition on their chosen instrument; undergo an interview; and sit a written assessment paper. Details may be found at <http://csm.mtu.ie/bapm>

Musical Theatre MT 938

Applicants will be required to audition in singing; acting; and dance. Details may be found at <http://csm.mtu.ie/bamt>

Theatre & Drama Studies MT 939

Applicants will be required to audition in acting and undergo an interview. Details may be found at <http://csm.mtu.ie/batds>

Coláiste Ealaíne & Dearaidh OTM Crawford Riachtanais Iontrála Shonracha

<http://crawford.mtu.ie>

Maidir leis an BA (Onór.) san Ealaín Fheidhmeach Chomhaimseartha (Criadóireacht, Gloine, Teicstílí) MT 820, BA (Onór.) sa Mhínealaín MT 821, BA (Onór.) sa Ghrianghrafadóireacht le Meáin Nua MT 822, agus an BA (Onór.) sa Chumarsáid Amhairc MT 823, déantar tairiscintí atá bunaithe ar thorthaí punainne d'iarratasóirí a chomhlíonann na riachtanais acadúla iontrála íosta, i.e. Ardeistiméireacht i sé ábhar (H5 i ndá ábhar, agus O6/H7 i gceithre ábhar eile). Caithfidh Béarla nó Gaeilge a bheith ar cheann de na hábhair.

Mar mhalairt air sin, ba cheart go mbeadh aon mhórdhámhachtain DCCÉ/CDBOO ag iarratasóirí a chuimsíonn 8 n-ábhar le 3 Ghradam.

Ní mór d'iarratasóirí ar na cúrsaí thuasluaite punann oibre a chur i láthair le haghaidh measúnaithe. Marcálfar an phunann agus beidh uasmhéid 600 pointe ar fáil ina taobh. Ní mór 240 (40%) pointe ar a laghad a fháil sa mheasúnú punainne d'fhonn go mbeidh an t-iarratasóir incháilithe don chúrsa.

Is é an spriocdháta d'iarratasóirí atá ag cur isteach tríd an CAO 5:15pm, 1ú Feabhra. Ina dhiaidh sin gheobhaidh siad cuireadh a bpunannacha a chur isteach le haghaidh measúnaithe i mí an Mhárta.

Glacfaidh Coláiste Ealaíne agus Dearaidh OTM Crawford le hiarratais ó iarratasóirí lánfhásta suas go dtí an 1ú Bealtaine ag 5:15.

Cuirfear na pointí a leithdháiltear ar an bpunann in iúl trí ríomhphost chuig an CAO agus chuig an iarratasóir faoi dheireadh mhí Bhealtaine. Nuair a bheidh torthaí na hArdeistiméireachta ar fáil, déanfaidh an CAO tairiscintí ar an ngnáthbhealach.

Riachtanais Iontrála Shonracha Choláiste Náisiúnta Mara Na Héireann

www.nmci.ie

Reachtálann Roinn Staidéir Mhuirí an Choláiste Náisiúnta Mara trí chlár CAO:

- MT 765 Leictreicneolaíocht Mhuirí
- MT 764 Innealtóireacht Mhuirí
- MT 766 Eolaíocht Loingseoireachta

Chun iontráil ar chlár, ní mór do ghnáthiarratasóirí na pointí riachtanacha CAO a scóráil, na riachtanais iontrála íosta san Ardeistiméireacht a chomhlíonadh agus na rudaí seo a leanas a thabhairt faoi deara:

Nóta 1: De ghnáth ní bhíonn an clár ar fáil ach do shaoránaigh na hÉireann agus do shaoránaigh AE a bhfuil gnáthchónaí orthu in Éirinn.

Nóta 2: Caithfidh éirí le hiarratasóirí i dtástálacha folláine míochaine agus radharc súl faofa atá sonraithe ag an Stiúrtóireacht um Shábháilteacht Mhuirí na Roinne Iompair agus moltar dóibh freastal ar sheisiún comhairleach gairme. Beidh tairiscint áite ar an gcúrsa faoi réir pas sna tástálacha míochaine agus radharc súl tráth na tairisceana.

Nóta 3: Ní foláir d'iarratasóirí, seachas iad siúd a luaitear i Nóta 1, urraíocht a fháil ó chuideachta fhaofa loingseoireachta atá ag trádáil go hidirnáisiúnta, scór IELTS 6.5 a sholáthar, agus na riachtanais mhíochaine agus radharc súl a chomhlíonadh le haghaidh gairme ar farraige.

Nóta 4: Ba chóir d'iarratasóirí tabhairt faoi deara: chun cáiliú don Teastas Inniúlachta 'Oifigeach Faire' (CoC), tá critéir bhreise leagtha síos ag an Roinn Iompair maidir le marcanna íosta pas, dul chun cinn acadúil, agus mic léinn a bhfuil disléicse orthu.

Féach Fógra Mara Uimh. 65 de 2013 (www.gov.ie)

Nóta 5: Ba cheart d'iarratasóirí nach saoránaigh na hÉireann iad a chinntiú go gcáilíonn siad le haghaidh eisiúint Leabhar an Mhairnéalaigh um Chomhlíonadh ina dtír shaoránachta.

MTU Crawford College of Art & Design

Specific Entry Requirements

<http://crawford.mtu.ie>

For the BA (Hons) in Contemporary Applied Art (Ceramics, Glass, Textiles) MT 820, BA (Hons) in Fine Art MT 821, BA (Hons) in Photography with New Media MT 822, and the BA (Hons) in Visual Communications MT 823, offers are made based on portfolio results to applicants who meet the academic minimum entry requirements, i.e. a Leaving Certificate in six subjects (H5 in two subjects, and O6/H7 in four other subjects). One of the subjects must be English or Irish.

Alternatively, applicants should have any QQI/FETAC major award comprising 8 subjects with 3 Distinctions.

Applicants for the above named courses must present a portfolio of work for assessment. The portfolio will be marked with a maximum of 600 points being available for it. A minimum of 240 (40%) points must be obtained in the portfolio assessment in order for an applicant to be eligible for the course.

The deadline for applicants applying through the CAO is 5.15pm, 1st February, after which they will receive an invitation to submit their portfolio for assessment in March.

MTU CCAD will accept applications from mature applicants up to the 1st May at 5.15pm.

The points allocated to the portfolio will be communicated by email to the CAO and to the applicant by the end of May. When the Leaving Certificate results become available, the CAO will make offers in the usual manner.

National Maritime College of Ireland

Specific Entry Requirements

www.nmci.ie

NMCI's Department of Maritime Studies runs three CAO programmes:

- MT 765 Marine Electrotechnology
- MT 764 Marine Engineering
- MT 766 Nautical Science

For admission to a programme, standard applicants must score the necessary CAO points, meet the minimum entry Leaving Certificate requirements, and note the following:

Note 1: The programme is normally available only to Irish citizens and EU citizens who are ordinarily resident in Ireland.

Note 2: Applicants must pass the approved medical fitness and eyesight tests as specified by the Irish Maritime Administration of the Department of Transport, and are strongly advised to attend a career advisory session. Offer of a place on the course will be subject to passing the medical and eyesight tests at the time of offer.

Note 3: Applicants, other than those indicated in Note 1, must be sponsored by an approved internationally trading shipping company, provide an IELTS score of 6.5, and also meet the medical and eyesight requirements for a sea going career.

Note 4: Applicants should note that in order to qualify for an Officer of the Watch Certificate of Competency (CoC), the Department of Transport has set additional criteria with respect to minimum pass marks, academic progression, and students with dyslexia.

See Marine Notice No. 65 of 2013 (www.gov.ie)

Note 5: Applicants who are non-Irish citizens should ensure that they qualify for the issue of a Seafarer's Discharge Book in their country of citizenship.

Nósanna Imeachta Glactha agus Clárúcháin

Eisíonn an Ollscoil sonraí maidir le clárú ar líne nó ar pháipéar d'iarratasóirí rathúla a ghlac le háiteanna ar chúrsaí. Ní mór do mhic léinn an clárú agus an íocaíocht ar líne nó ar pháipéar a chomhlánú laistigh de na laethanta sonrathé ón spriocdháta faoina gcaithfear glacadh le tairiscintí. Ba cheart d'iarratasóirí rathúla a chinntiú go léann siad an cháipéisíocht ábhartha go léir ar líne (www.mtu.ie), mar go mbeidh riachtanais inti a bhaineann go sonrach le roinnt clár, agus atá ina cuid éigeantach den phróiseas clárúcháin.

Sa chás go dteipeann ar iarratasóir clárú laistigh den tréimhse ama shonraithe a leagtar síos, tá an Ollscoil i dteideal glacadh leis go bhfuil an t-iarratasóir tar éis a (h) iarratas a tharraingt siar agus glacann an t-iarratasóir leis go bhféadfaidh an Ollscoil an áit a thairiscint don chéad mhac léinn eile ar an liosta feithimh. Ní féidir mic léinn a chlárú go bailí ar aon chúrsa ag OTM mura ndeimhníonn siad agus iad ag clárú ar líne, go bhfuil siad ar an eolas faoi chearta agus fhreagrachtaí an mhic léinn mar atá leagtha amach i lámhleabhar na mac léinn agus go gcoifidh siad leo agus go bhfuil an dearbhú seo sínithe acu mar aon le dáta, ar a foirm chlárúcháin.

Áit a chur siar

Déanfaidh an Ollscoil iarracht chun éascaíocht a dhéanamh d'iarratasóirí rathúla ar mian leo iontráil a chur siar.

- Seo a leanas an nós imeachta chun iontráil a chur siar:
1. Níor cheart d'iarratasóirí glacadh leis an tairiscint tríd an CAO
 2. Ní mór d'iarratasóirí ríomhphost a scríobh nó scríobh chuig Oifig Iontrála OTM maidir leis an áit atá roghnaithe acu chun staidéar agus an chúis/na cúiseanna a mhíniú atá leis an iarratas.

Oifig Iontrála
Ollscoil Teicneolaíochta na Mumhan
Campas Bhaile an Easpaig Chorcaigh
Co. Chorcaí
T12 P928
R: admissionsCork@mtu.ie

Oifig Iontrála
Ollscoil Teicneolaíochta na Mumhan
Campas Thuaidh
Trá Lí
Co. Chiarraí
V92 HD4V
R: admissionsKerry@mtu.ie

Scríobh **IONTRÁIL CURTHA SIAR** i líne ábhair do ríomhphost nó go soiléir ar an gclúdach. Cinntigh le do thoil go luafaidh tú d'uimhir iarratais CAO agus cód cúrsa na tairisceana is mian leat a chur siar. Caithfidh an r-phost/litir teacht chuig an Oifig Iontrála dhá lá roimh an "dáta freagartha" ar a laghad a thaispeántar ar fhógra tairisceana an CAO. Cuirfidh OTM a chinneadh in iúl duit i scríbhinn laistigh de thrí lá oibre.

Má dheonaítear an iarraidh ar iarchur, ní mór d'iarratasóirí:

- athiarratas a dhéanamh ar an gcúrsa tríd an CAO faoin 1 Feabhra 2023 (mar iarratasóir iarchurtha - ach ní cheanglaítear orthu na sonraí ábhartha go léir a chur isteach arís);
- cur san áireamh san iarratas an cúrsa ar deonaíodh iarchur dó i Meán Fómhair 2022 mar an chéad rogha agus an t-aon rogha ar fhoirm iarratais an CAO. Mura ndéantar amhlaidh rachaidh an t-iarchur in éag;
- féadfaidh tú iarratas nua a dhéanamh tríd an CAO agus roinnt cúrsaí a liostáil ach sa chás seo ní féidir leat leas a bhaint as an iarchur a deonaíodh i Meán Fómhair 2022.

Ní cheadaítear d'iarratasóirí torthaí na tástála iontrála a chur siar ó bhliain go chéile le haghaidh na gcúrsaí seo a leanas i Scoil Ceoil OTM Chorcaí:
MT 936 Baitsiléir Ceoil (Onóracha)
MT 937 BA (Onóracha) sa Cheol Mórílimh
MT 938 BA (Onóracha) i dTéatar Ceoil
MT 939 BA (Onóracha) i Staidéar Téatair agus Drámaíochta

Iarratasóirí atá ag tabhairt faoi chéim bhaitsiléara breiseáin nó clár céime baitsiléara onóracha breiseáin

Más mian leat cúrsa staidéir a dhéanamh mar iarratasóir seachtrach ar chéim bhaitsiléara breiseáin nó ar chlár céime baitsiléara onóracha breiseáin, féadfaidh tú iarratas a dhéanamh go díreach chuig an CAO ag an nasc seo a leanas www.cao.ie. Leanfaidh mic léinn OTM atá ann cheana orthu ag déanamh iarratais tríd an oifig iontrála OTM ábhartha.

Iarratasóirí ar mian leo leas a bhaint as ardiontráil

Féadfaidh iarratasóirí ar mian leo leas a bhaint as ardiontráil isteach i mbliain 2 de chlár ab-initio 3 bliana nó 4 bliana iarratas a dhéanamh go díreach chuig an CAO ag an nasc seo a leanas www.cao.ie

General Information

Acceptance and Registration Procedures

The University issues details in relation to online or paper registration to successful applicants who have accepted places on courses, and students must complete the online or paper registration and payment within the specified days of the deadline for close of acceptance offers. Successful applicants should ensure that they read all of the relevant documentation online (www.mtu.ie), as it will contain requirements that are specific to some programmes, and are a mandatory part of the registration process.

Where an applicant fails to register within the specified time stipulated, the University is entitled to assume that the applicant has withdrawn his/her application and the applicant accepts that the University may offer the place to the next student on the waiting list. Students cannot be validly registered on any course at MTU unless they confirm when registering online that they are familiar with, and will abide by, the student's rights and responsibilities as set out in the student handbook and that they have signed and dated this affirmation on their registration form.

Deferring a Place

The University will try to facilitate successful applicants who wish to postpone entry.

The deferral procedure is as follows:

1. Applicants should not accept the offer through the CAO
2. Applicants must e-mail or write to the MTU Admissions Office of your choice of study location, setting out the reason(s) for your request.

Admissions Office
Munster Technological University
Bishopstown Campus
Cork
Co. Cork
T12 P928
E: admissionsCork@mtu.ie

Admissions Office
Munster Technological University
North Campus
Tralee
Co. Kerry
V92 HD4V
E: admissionsKerry@mtu.ie

Write **DEFERRED ENTRY** in the subject line of your email or clearly on the envelope. Please ensure that you quote your CAO application number and the course code of the offer that you wish to defer. The e-mail/letter must arrive in the Admissions Office at least two days before the "reply date" shown on the CAO offer notice. MTU will communicate its decision to you in writing within three working days.

If the request for deferral is granted, applicants are required to:

- re-apply for the course through the CAO by 1st February 2023 (as a deferred applicant – but are not required to submit all relevant data again);
- include in the application the course for which deferral has been granted in September 2022 as the first and only choice on the CAO application form, otherwise the deferral lapses;
- you may make a new application through CAO, listing a number of courses, but in this case you may not avail of the deferral granted in September 2022.

Applicants are NOT allowed to defer the results of the **entrance test** from one year to the next for the following courses in MTU Cork School of Music:
MT 936 Bachelor of Music (Honours)
MT 937 BA (Honours) in Popular Music
MT 938 BA (Honours) in Musical Theatre
MT 939 BA (Honours) in Theatre and Drama Studies

Applicants pursuing add-on bachelor degree or an add-on honours bachelor degree programme

If you wish to pursue a course of study as an external applicant for an add-on bachelor degree or an add-on honours bachelor degree programme, you may apply directly to the CAO at the following link www.cao.ie. Existing MTU students will continue to apply via the relevant MTU admissions office.

Applicants who wish to avail of advanced entry

Applicants who wish to avail of advanced entry into year 2 of a 3 year or 4 year ab-initio programme may apply directly to the CAO at the following link www.cao.ie

Scéim ACCS

Is acrainm é ACCS chun creidmheasanna a chnadh agus chun ábhair a dheimhniú. Ligeann an scéim ACCS do mhic léinn staidéar a dhéanamh ar chuid de chlár lánaimseartha ar bhonn páirtaimseartha. Féadfaidh mic léinn creidmheasanna a fháil do gach modúl a cuireadh i gcrích go rathúil agus na creidmheasanna sin a chnadh i gcaitheamh ama chun dámhachtain a aithnítear go náisiúnta a bhaint amach, mar shampla ardteastas nó gnáthchéim nó céim onóracha. Gheobhaidh gach mac léinn creidiúnú ábhair aonair i leith gach modúil a chomhlánaíonn siad.

De ghnáth, bíonn 60 creidmheas ag gabháil le gach céim den chlár, i.e. 60 creidmheas a ghabhann le bliain 1, 60 creidmheas a ghabhann le bliain 2 srl. Ní mór 120 creidmheas a bheith críochnaithe chun clár ardteastais a chríochnú go rathúil (2 bhliain lánaimseartha); chun gnáthchéim (3 bliana lánaimseartha) a fháil ní mór 180 creidmheas a fháil agus chun céim onóracha (3 nó 4 bliana lánaimseartha) a bhaint amach tá gá le 240 creidmheas. Suíonn mic léinn atá rannpháirteach sa scéim ACCS sa rang le mic léinn a chríochnaíonn an clár ar bhonn lánaimseartha.

D'fhéadfadh go mbeadh bealach ACCS oiriúnach dóibh siúd ar mian leo staidéar páirtaimseartha a dhéanamh i rith an lae, m.sh.

- lad siúd ar mian leo scilbhisiú a dhéanamh i modúl amháin nó i gcúpla modúl de chlár lánaimseartha, ach nach mian leo/nach dteastaíonn uathu an clár iomlán a dhéanamh
- lad siúd nach féidir leo a ghabháil orthu féin dul i mbun staidéir lánaimseartha ach atá sásta tabhairt faoi chuid de chúrsa nó faoin chúrsa ar fad, thar thréimhse fhadaíthe ar bhonn páirtaimseartha
- Iarratasóirí rathúla RPL a bhfuil aitheantas bainte amach acu i leith réamhfhoghlama agus ar mian leo staidéar a dhéanamh anois chun na creidmheasanna a fháil atá fágtha chun dámhachtain a bhaint amach

Ní mór do gach iarratasóir na riachtanais iontrála acadúla íosta a chomhlíonadh don chlár staidéir is mian leis/léi a dhéanamh.

Nóta: Níl bealach ACCS ar fáil d'iarratasóirí CAO nach raibh incháilithe, i.e. ní bhfuair siad tairiscint áite tríd an CAO toisc nár chomhlíon siad na critéir iontrála nó nach raibh dóthain pointí acu ina dtorthaí scrúdaithe.

Gearrtar táillí teagaisc ar bhonn pro-rata agus socraíonn an Roinn Oideachais na táillí i mí Lúnasa gach bliain.

Le haghaidh tuilleadh eolais déan teagmháil le

Campas OTM Chorcaí

R: admissionsCork@mtu.ie

Campas OTM Chiarraí

R: admissionsKerry@mtu.ie

Aitheantas ar Réamhfhoghlaim (RPL)

Feidhmíonn an Ollscoil beartas a cheadaíonn aitheantas ar réamhfhoghlaim, idir foghlaim fhoirmiúil agus neamhfhoirmiúil. Cuimsíonn foghlaim neamhfhoirmiúil agus foghlaim ó thaithí oideachas neamhchreidiúnaithe, oiliúint obairbhunaithe agus taithí ábhartha saoil/oibre. Déantar an foghlaim seo a mheas agus d'fhéadfadh creidmheasanna acadúla, díolúine ó ábhair ar chúrsa staidéir beartaithe nó áiteanna ar chúrsaí staidéir áirithe a bheith mar thoradh ar an measúnú seo. Ceanglaítear ar iarratasóirí punann fianaise a thiomsú a thaispeánann conas a bhain siad torthaí foghlama modúl áirithe amach laistigh de chlár nó an chaoi a gcomhlíonann siad riachtanais iontrála clár staidéir. Geallann an Ollscoil tacaíocht agus cúnamh a thabhairt chun an foghlaim a threorú tríd an iarratas RPL agus/nó maidir leis an phunann a chur le chéile. Déileáiltear le hiarratais ar RPL ar bhonn aonair nuair a chláraíonn mac léinn ar chúrsa áirithe. Ba chóir d'iarratasóirí teagmháil a dhéanamh leis an gceann roinne ábhartha i bhfad roimh an dáta iontrála atá beartaithe acu.

Grinnfhiosrúchán an Gharda Síochána (An tAcht Leanaí agus Daoine Soghonta 2012)

Cuireann an Ollscoil roinnt clár ar fáil ina bhfuil ar mhic léinn socrúchán a dhéanamh mar chuid éigeantach den chlár. Chun cosaint an phobail a chinntiú agus chun iontaoibh agus muinín an phobail a chosaint, tá an Ollscoil tiomanta a chinntiú nach gceadaítear ach do mhic léinn oiriúnacha socrúcháin oibre a dhéanamh ina mbíonn teagmháil acu le leanaí nó le daoine fásta leochaileacha. Chun a chinntiú nach seoltar ach mic léinn oiriúnacha ar shocrúchán oibre, éilíonn an Ollscoil ar mhic léinn atá ag clárú ar na cláir seo próiseas an ghrinnfhiosrúcháin Garda ar líne a chur i gcrích. Is cuid éigeantach de chlárú sna cláir seo an grinnfhiosrúchán Garda. Mura bhfaightear grinnfhiosrúchán Garda sásúil díchlárófar an mac léinn. Caithfear aon chion agus/nó ciontú a tharlaíonn tar éis don mhac léinn a bheith cláraithe a nochtadh don Ollscoil láithreach. Forchoimeádann an Ollscoil an ceart athbhreithniú a dhéanamh ar stádas cláraithe mac léinn i bhfianaise faisnéise breise a fhaightear tar éis an cláraithe. Féadfar cúrsaí breise a chur san áireamh gach bliain de réir rogha na hOllscoile agus cineál an tsocrúcháin oibre.

ACCS Scheme

ACCS is an acronym for accumulation of credits and certification of subjects. The ACCS scheme allows students to study a portion of a full-time programme in a part-time mode. Students can gain credits for each module successfully completed and accumulate those credits, over-time, towards a nationally recognised award such as a higher certificate or an ordinary degree or an honours degree. All students will receive single subject accreditation for each module that they complete.

Generally, there are 60 credits attached to each stage of the programme i.e. 60 credits attached to year 1, 60 credits attached to year 2 etc. Successful completion of a higher certificate programme (2 years full-time) requires completion of 120 credits; an ordinary degree (3 years full-time) requires successful completion of 180 credits and an honours degree (3 or 4 years' full-time) requires successful completion of 240 credits. Students participating in the ACCs scheme sit in class with students completing the programme on a full-time basis.

The ACCS route may suit those who wish to study part-time by day, e.g.

- Those who wish to up-skill in just one or a few of the modules from a full-time programme, but who do not wish/need to take the entire programme
- Those who cannot commit to full-time study but are prepared to undertake part, or all, of a course over an extended period on a part-time basis
- Successful RPL Applicants who have gained recognition for prior learning and who now wish to study for the remaining credits to achieve an award

All applicants must meet the minimum academic entry requirements for the programme of study they wish to pursue.

Note: The ACCS route is not open to CAO applicants who were ineligible i.e. they did not receive an offer of a place via CAO, as they either did not meet the entry criteria or did not have sufficient points in their examination results.

Tuition fees are charged on a pro-rata basis and the fees are set each August by the Department of Education.

For further information contact

MTU Cork Campus

E: admissionsCork@mtu.ie

MTU Kerry Campus

E: admissionsKerry@mtu.ie

Recognition of Prior Learning (RPL)

The University operates a policy that allows for the recognition of prior learning, both formal and informal learning. Informal and experiential learning includes nonaccredited education, work based training and relevant life/work experience. This learning is assessed and this assessment may lead to academic credits, exemption from subjects on intended course of study or places on particular courses of study. Applicants are required to compile a portfolio of evidence demonstrating how they have achieved the learning outcomes of a particular module within a programme or how they meet the entry requirements of a programme of study. The University is committed to providing support and assistance to guide the learner through the RPL application and/or in compiling the portfolio. Applications for RPL are dealt with on an individual basis once a student has registered on a particular course. Applicants should contact the relevant head of department well in advance of their intended entry date.

Garda Vetting (Children and Vulnerable Persons Act 2012)

The University provides a number of programmes where students are required to do a placement as a mandatory part of the programme. To ensure the protection of the public and to justify public trust and confidence, the University is committed to ensuring that only suitable students are allowed to undertake work placements which involve contact with children or vulnerable adults. To ensure that only suitable students are sent on work placement, the University requires students registering on these programmes to complete the online Garda vetting process. Satisfactory Garda vetting is a mandatory part of registration for these programmes. Failure to obtain satisfactory Garda vetting will result in deregistration. Any offence and/or conviction arising after the student has been registered must be disclosed to the University immediately. The University reserves right to review the registration status of a student in light of additional information received subsequent to registration. Additional courses may be included each year at the discretion of the University and the nature of the work placement.



Contact Information

	BISHOPSTOWN CAMPUS	KERRY
Main Switchboard	021 432 6100	066 714 5600
Admissions	021 433 5040	066 714 5638
Academic Learning Centre	021 433 5098	066 719 1692
Access Office	021 433 5138	066 714 5636
Accommodation Office	021 433 5750	066 714 4138
Alumni Office	021 432 6589	066 719 1783
Fees and Grants	021 433 5440	066 714 5656
International Office	021 433 5300	066 719 1689
Schools Liaison Office	021 433 5547	066 719 1993
Societies Office	021 433 5759	066 719 1782
Sports Office	021 433 5767	066 714 5644
Student Services	021 433 5388	066 714 5665
Students' Union	021 433 5270	066 714 4138

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MTU Cork School of Music

T: 021 480 7300

E: csm.infoCork@mtu.ie

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W: www.nmci.ie

Published by
Munster Technological University

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E&OE



The development of Munster Technological University has been supported by the European Union. This support has contributed to staffing, running costs and student grants, allowing the University to play a major role in the social and economic development of the country.

Design & Layout: Blue Bamboo, Cork
Print: City Print Ltd, Cork.

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