Waterford Institute *of* Technology

INSTITIÚID TEICNEOLAÍOCHTA PHORT LÁIRGE

WATERFORD

INSTITUTE OF TECHNOLOGY

WIT50

1970 - 2020

UNDERGRADUATE HANDBOOK 2020

Quickguide to courses

School of BUSINESS

		CAO CODE	LEVEL	DURATION (YEARS)	WORK PLACEMENT	STUDY ABROAD*	LANGUAGE OPTIONS	MIN POINTS REQUIRED	POINTS RANGE	HOW TO APPLY	PAGE
BUSINESS	Bachelor of Business (Hons) (Common Entry)	WD048	8	4 years	✓	✓	✓	278	278 - 531	cao.ie	20
	Bachelor of Business (Hons) (Economics & Finance)	WD048	8	4 years	✓	✓	✓	278	278 - 531	cao.ie	21
	Bachelor of Business (Hons) (Human Resource Management)	WD048	8	4 years	✓	✓	✓	278	278 - 531	cao.ie	22
	Bachelor of Business (Hons) (Management)	WD048	8	4 years	✓	✓	✓	278	278 - 531	cao.ie	23
	Bachelor of Business (Hons) (Accounting)	WD048	8	4 years	✓	✓	✓	278	278 - 531	cao.ie	24
	Bachelor of Business (Hons) (Marketing)	WD048	8	4 years	✓	✓	✓	278	278 - 531	cao.ie	25
	BA (Hons) in Accounting	WD084	8	3 years	^	✓		307	307 - 577	cao.ie	26
	BA (Hons) in Marketing & Digital Media	WD193	8	4 years	✓	✓		290	290 - 440	cao.ie	27
	BA (Hons) in International Business	WD134	8	4 years	^^	✓	✓	289	289 - 528	cao.ie	28
	Bachelor of Business	WD159	7	3 years	✓	✓		200	200 - 613	cao.ie	29
	BSc in Retail Management	WD184	7	3 years	✓	✓		190	190 - 441	cao.ie	30
	Higher Certificate in Business	WD003	6	2 years				AQA	AQA - 554	cao.ie	31

School of ENGINEERING

		CAO CODE	LEVEL	DURATION (YEARS)	WORK PLACEMENT	STUDY ABROAD*	LANGUAGE OPTIONS	MIN POINTS REQUIRED	POINTS RANGE	HOW TO APPLY	PAGE
ENGINEERING	Engineering (Common Entry)	WD007	8	4 years	✓	✓		287	287 - 555	cao.ie	34
	BEng (Hons) in Sustainable Energy Engineering	*SEE*	8	4 years	✓	✓		287	287 - 555	cao.ie	35
	BEng (Hons) in Sustainable Civil Engineering	*SCE*	8	4 years	✓	✓		287	287 - 555	cao.ie	36
	BEng (Hons) in Electronic Engineering	*ECE*	8	4 years	✓	✓		287	287 - 555	cao.ie	37
	BEng (Hons) in Electrical Engineering	*ELE*	8	4 years	✓	✓		287	287 - 555	cao.ie	38
	BEng (Hons) in Mechanical & Manufacturing Engineering	WD230	8	4 years	✓	✓		273	273 - 488	cao.ie	39
	Higher Certificate in Engineering in Mechanical Engineering	WD011	6	2 years				200	200 - 414	cao.ie	40
	BEng in Mechanical Engineering	WD207	7	3 years		✓		179	179 - 613	cao.ie	41
	BEng in Manufacturing Engineering	WD208	7	3 years		✓		195	195 - 511	cao.ie	42
	BSc (Hons) in Manufacturing Engineering	WD036	8	1 year add-on				n/a	n/a	wit.ie	43
	Higher Certificate in Engineering in Electronic Engineering	WD010	6	2 years				224	224 - 567	cao.ie	44
	BEng in Electronic Engineering	WD206	7	3 years		✓		191	191 - 554	cao.ie	45
	BEng in Electrical Engineering	WD182	7	3 years		✓		188	188 - 487	cao.ie	46
	BEng in Civil Engineering	WD139	7	3 years		✓	✓	200	200 - 566	cao.ie	47
	BSc (Hons) in Construction Management & Engineering	WD025	8	4 years	✓	✓	✓	269	269 - 477	cao.ie	48
	BSc (Hons) in Quantity Surveying	WD162	8	4 years	✓	✓	✓	260	260 - 454	cao.ie	49
	Bachelor of Architecture (Hons)	WD144	8	5 years	✓	✓		283	283 - 587	cao.ie	50
	BSc in Architectural Technology	WD094	7	3 years		✓		201	201 - 555	cao.ie	52
	BSc (Hons) in Architectural & BIM Technology	WD195	8	4 years	✓	✓	✓	266	266 - 462	cao.ie	53

School of HEALTH SCIENCES

		CAO CODE	LEVEL	DURATION (YEARS)	WORK PLACEMENT	STUDY ABROAD*	LANGUAGE OPTIONS	MIN POINTS REQUIRED	POINTS RANGE	HOW TO APPLY	PAGE
NURSING & HEALTH CARE	Health Sciences (Common Entry)	WD005	8	4 years	✓	✓		288	288 - 462	cao.ie	56
	BSc (Hons) in Public Health & Health Promotion	*HPP*	8	4 years	✓	✓		288	288 - 462	cao.ie	57
	BSc (Hons) in Applied Health Care	*AHC*	8	4 years	✓	✓		288	288 - 462	cao.ie	58
	BSc in Applied Health Care	WD188	7	3 years	✓	✓		206	206 - 578	cao.ie	59
	BSc (Hons) in General Nursing	WD116	8	4 years	✓			413	413 - 534	cao.ie	60
	BSc (Hons) in Psychiatric Nursing	WD117	8	4 years	✓			361	361 - 522	cao.ie	61
	BSc (Hons) in Intellectual Disability Nursing	WD120	8	4 years	✓			338	338 - 400	cao.ie	62
SPORT & EXERCISE SCIENCE	Exercise Sciences (Common Entry)	WD006	8	4 years	✓	✓		282	282 - 484	cao.ie	63
	BSc (Hons) in Sport & Exercise Science	*ESS*	8	4 years	✓	✓		282	282 - 484	cao.ie	64
	BSc (Hons) in Nutrition & Exercise Science	*ESN*	8	4 years	✓	✓		282	282 - 484	cao.ie	65
	BSc (Hons) in Health & Exercise Science	*ESH*	8	4 years	✓	✓		282	282 - 484	cao.ie	66
	BSc (Hons) in Sports Coaching & Performance	WD186	8	4 years	✓	✓		276	276 - 410	cao.ie	67
	Bachelor of Business in Recreation & Sport Management	WD019	7	3 years	✓	✓		181	181 - 565	cao.ie	68
	Bachelor of Business (Hons) in Recreation & Sport Management	WD212	8	4 years	✓	✓		274	274 - 390	cao.ie	69

Minimum points: Based on 2019 Round 1 offers
Points range: Show the range of points achieved by students offered the course in 2019 Round 1 offers
AQA = All qualified applicants
Disclaimer: All course titles and information listed are subject to change

^ option to complete additional work placement year
^^ international work placement
^^^ option to complete additional study abroad year in partner university
* study abroad options are subject to academic performance and availability

School of HUMANITIES

		CAO CODE	LEVEL	DURATION (YEARS)	WORK PLACEMENT	STUDY ABROAD*	LANGUAGE OPTIONS	MIN POINTS REQUIRED	POINTS RANGE	HOW TO APPLY	PAGE
APPLIED ARTS	Bachelor of Arts (Hons)	WD200	8	3 years		^^^	✓	221	221 - 473	cao.ie	72
	BA (Hons) in Psychology	WD163	8	3 years		^^^	✓	390	390 - 600	cao.ie	74
	BA (Hons) in Social Science	WD187	8	3 years		✓		271	271 - 430	cao.ie	75
	BA (Hons) in Social Care Practice	WD192	8	4 years	✓			279	279 - 487	cao.ie	76
	BA (Hons) in Early Childhood Studies	WD149	8	3 years	✓	✓		288	288 - 519	cao.ie	77
	BA in Applied Social Care	WD018	7	3 years	✓			180	180 - 555	cao.ie	78
	BA (Hons) in Applied Social Studies in Social Care	WD052	8	1 year add-on				n/a	n/a	wit.ie	79
	LLB Bachelor of Laws (Hons)	WD140	8	3 years		✓		290	290 - 499	cao.ie	80
	BA (Hons) in Criminal Justice Studies	WD150	8	3 years		✓		271	271 - 446	cao.ie	81
	Higher Certificate in Arts in Legal Studies	WD013	6	2 years				170	170 - 591	cao.ie	82
	BA in Legal Studies	WD073	7	1 year add-on				n/a	n/a	wit.ie	83
	BA (Hons) in Legal Studies with Business	WD053	8	1 year add-on				n/a	n/a	wit.ie	83
LANGUAGES, TOURISM & HOSPITALITY STUDIES	Higher Certificate in Arts in Hospitality Studies	WD173	6	2 years			✓	182	182 - 462	cao.ie	84
	BA (Hons) in Hospitality Management	WD091	8	4 years	✓	✓	✓	210	210 - 462	cao.ie	85
	Higher Certificate in Business in Tourism	WD174	6	2 years	✓		✓	134	134 - 434	cao.ie	86
	BA (Hons) in Tourism Marketing	WD148	8	3 years	✓	✓	✓	269	269 - 441	cao.ie	87
	Higher Certificate in Arts in Culinary Arts	WD172	6	2 years				142	142 - 578	cao.ie	88
	BA (Hons) in Arts in Culinary Arts	WD194	8	4 years	✓	✓	✓	235	235 - 441	cao.ie	89
CREATIVE & PERFORMING ARTS	BA (Hons) in Music	WD027	8	4 years		✓		290	290 - 390	cao.ie	90
	BA (Hons) in Visual Art	WD152	8	4 years		✓		253	253 - 506	cao.ie	91
	BA (Hons) in Design (Visual Communications)	WD137	8	4 years		✓		253	253 - 484	cao.ie	92

School of SCIENCE & COMPUTING

		CAO CODE	LEVEL	DURATION (YEARS)	WORK PLACEMENT	STUDY ABROAD*	LANGUAGE OPTIONS	MIN POINTS REQUIRED	POINTS RANGE	HOW TO APPLY	PAGE
SCIENCE	Science (Common Entry)	WD002	8	4 years	✓	✓		302	302 - 565	cao.ie	96
	BSc (Hons) in Pharmaceutical Science	*PHA*	8	4 years	✓	✓		302	302 - 565	cao.ie	97
	BSc (Hons) in Molecular Biology with Biopharmaceutical Science	*BIO*	8	4 years	✓	✓		302	302 - 565	cao.ie	98
	BSc (Hons) in Food Science and Innovation	*FOO*	8	4 years	✓	✓		302	302 - 565	cao.ie	99
	BSc (Hons) in Physics for Modern Technology	*PHY*	8	4 years	✓	✓		302	302 - 565	cao.ie	100
	BSc in Science (General)	WD177	7	3 years		✓		213	213 - 601	cao.ie	101
	BSc in Molecular Biology with Biopharmaceutical Science	WD205	7	3 years		✓		208	208 - 567	cao.ie	102
	BSc in Food Science with Business	WD164	7	3 years	✓	✓		222	222 - 566	cao.ie	103
	BSc in Pharmaceutical Science	WD175	7	3 years		✓		207	207 - 589	cao.ie	104
	BSc (Hons) in Pharmaceutical Science	WD147	8	4 years	✓	✓		298	298 - 543	cao.ie	105
	BSc (Hons) in Agricultural Science	WD191	8	4 years	✓	✓		378	378 - 567	cao.ie	106
	BSc in Agriculture	WD126	7	3 years	✓	✓		356	356 - 554	cao.ie	107
	BSc in Forestry	WD076	7	3 years	✓	✓		181	181 - 601	cao.ie	108
	BSc in Horticulture (Waterford - Kildalton)	WD096	7	3 years	✓	✓		260	260 - 530	cao.ie	109
	BSc in Horticulture (Dublin - National Botanic Gardens)	WD097	7	3 years	✓	✓		209	209 - 531	cao.ie	109
	BSc (Hons) in Land Management in Agriculture	WD156	8	1 year add-on				n/a	n/a	wit.ie	110
	BSc (Hons) in Land Management in Forestry	WD157	8	1 year add-on				n/a	n/a	wit.ie	110
	BSc (Hons) in Land Management in Horticulture	WD158	8	1 year add-on				n/a	n/a	wit.ie	110
COMPUTING & MATHEMATICS	Applied Computing (Common Entry)	WD001	8	4 years	✓	✓		279	279 - 511	cao.ie	111
	BSc (Hons) in Applied Computing (Automotive & Automation Systems)	*AAS*	8	4 years	✓	✓		279	279 - 511	cao.ie	113
	BSc (Hons) in Applied Computing (Cloud & Networks)	*CLN*	8	4 years	✓	✓		279	279 - 511	cao.ie	114
	BSc (Hons) in Applied Computing (Computer Forensics & Security)	*CFS*	8	4 years	✓	✓		279	279 - 511	cao.ie	115
	BSc (Hons) in Applied Computing (Internet of Things)	*IOT*	8	4 years	✓	✓		279	279 - 511	cao.ie	116
	BSc (Hons) in Applied Computing (Game Development)	*GAD*	8	4 years	✓	✓		279	279 - 511	cao.ie	117
	BSc (Hons) in Applied Computing (Media Development)	*MED*	8	4 years	✓	✓		279	279 - 511	cao.ie	118
	BSc (Hons) in Computer Forensics & Security	WD161	8	4 years	✓	✓		262	262 - 600	cao.ie	119
	BSc in Software Systems Development	WD151	7	3 years	✓	✓	✓	180	180 - 565	cao.ie	120
	BSc (Hons) in Software Systems Development	WD210	8	4 years	✓	✓	✓	271	271 - 554	cao.ie	121
	BSc in Multimedia Applications Development	WD153	7	3 years	✓	✓		170	170 - 506	cao.ie	122
	BSc (Hons) in Creative Computing	WD211	8	4 years	✓	✓		275	275 - 456	cao.ie	123
	BSc in Information Technology	WD155	7	3 years	✓	✓		AQA	AQA - 625	cao.ie	124
	BSc (Hons) in Information Technology Management	WD220	8	1 year add-on				n/a	n/a	wit.ie	125

What's inside...

Courses

Produced by the Office of Marketing & Communications

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www.digicolphotography.com

Welcome from the President

I am delighted to welcome you to Waterford Institute of Technology (WIT). With a long tradition of leadership in education, WIT is constantly pushing the boundaries in response to the needs of our students, society and the economy. WIT was proud to have these efforts acknowledged nationally when it was ranked as the top institute of technology in the Sunday Times Good University Guide 2019.

It's no accident that WIT is Ireland's leading research-informed institute of technology with a global reputation for innovation and research excellence. The Institute has been focused on creativity and research innovation as a driver of the knowledge society for over 20 years and plays a key role in Ireland's social, cultural and economic development.

We are committed to excellence in all aspects of our activities which include educating the next generation leaders through our undergraduate and postgraduate programmes; producing highly creative and industry-ready graduates; developing our internationally connected research and innovation eco-system; and evolving our unique model of stakeholder engagement which has had real impact on our economy.

The Institute leverages its national and international partnerships with other education institutes, industry, social and government bodies to ensure the international relevance and excellence of our teaching, research and innovation activities. As President I recognise also that we must be agile enough to be able to support multiple access paths to education as well as the need to deliver flexible modes of learning for an increasingly diverse student body.

Waterford Institute of Technology is a truly international environment with students from 70 countries and strategic collaboration partnerships with over 300 education and industry partners. We have created an exciting learning environment in the South East of Ireland.

I look forward to welcoming you to WIT. In our world you are not just a student but a member of a community which values all aspects of life: learning, sport, arts, community engagement and, above all, the person. Through education we open a world of endless possibilities which will challenge, excite and reward you.

Fáilte ón Uachtarán

Tá áthas orm fáilte a chur romhat chuig Institiúid Teicneolaíochta, Phort Láirge (WIT). Le traidisiún láidir i gceannaireacht san oideachas, tá WIT i gcónaí ag iarraidh na teorainneacha a bhrú chun freastal ar riachtanais ár mac léinn, na sochaí agus an gheilleagair. Bhí bród ar WIT nuair a aithníodh na hiarrachtaí seo go náisiúnta nuair a rangaíodh í mar an institiúid teicneolaíochta is fearr sa tír sa Sunday Times University Guide 2019.

Ní de thaisme atá Institiúid Teicneolaíochta Phort Láirge chun tosaigh in Éirinn mar institiúid teicneolaíochta a bhfuil taighde mar bhonn eolais aici, institiúid a bhfuil clú ar fud an domhain uirthi as ucht nualaíochta agus barrfheabhas taighde. Tá an Institiúid dírithe ar chruthaitheacht agus nuáil taighde agus sochaí an eolais á cur ar aghaidh aici le breis is 20 bliain anuas. Tá príomhról aici i bhforbairt shóisialta, chultúrtha agus eacnamaíoch na hÉireann.

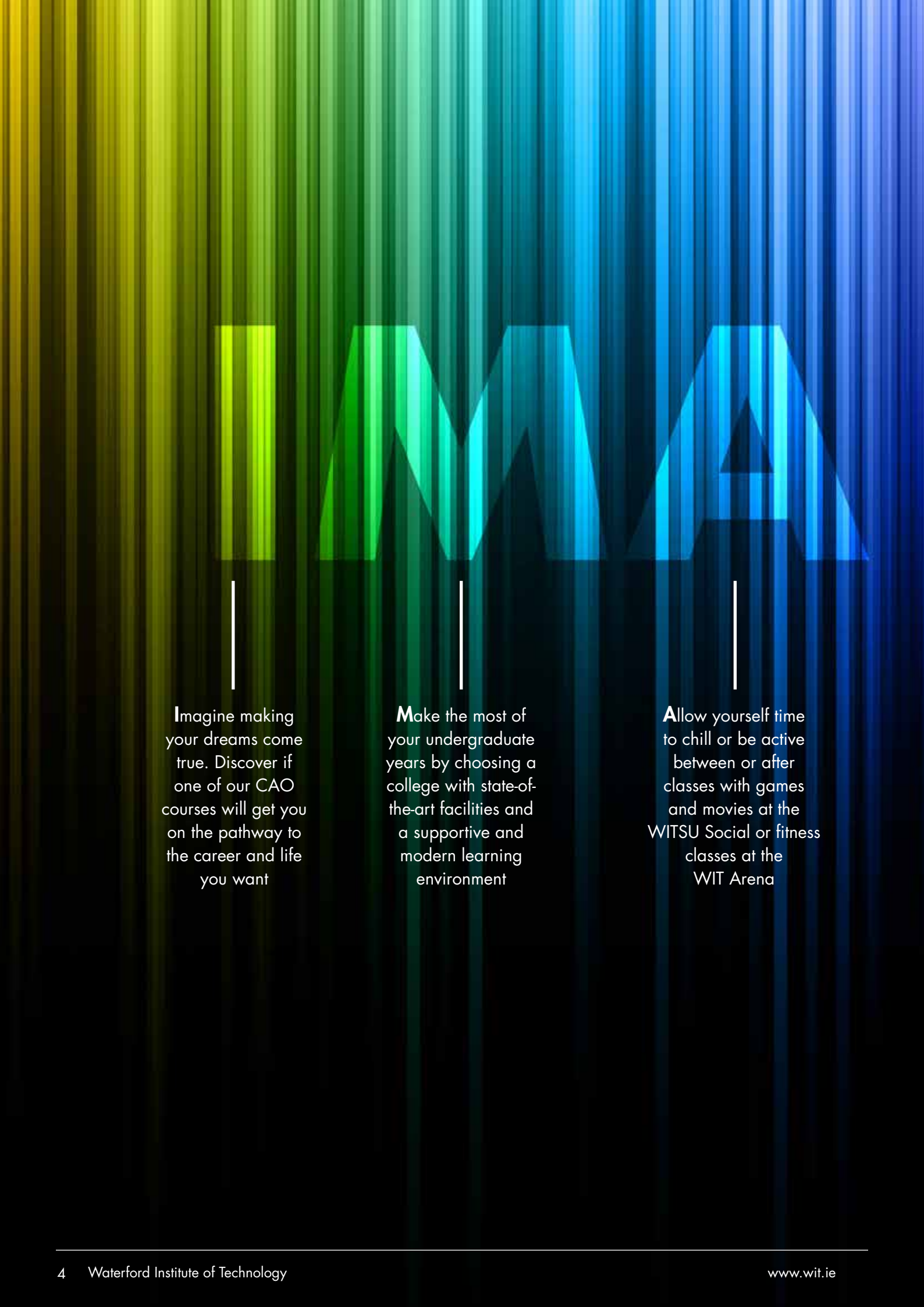
Táimid tiomanta do bharrfheabhas i ngach gné dár gcuid gníomhaíochtaí ar a n-áirítear oideachas a chur ar an chéad ghlúin eile de cheannairí lenár gcuid clár céime agus iarchéime; ag déanamh céimithe atá thar a bheith cruthaitheach agus ullamh chun tabhairt faoin tionscal; ag forbairt ár n-éiceachóras taighde agus nuálaíochta atá nasctha go hidirnáisiúnta; agus ag cur chun cinn ár múnla uathúil do rannpháirtíocht luchtanna leasa, rud a bhfuil fíorthionchar imeartha aige ar ár ngeilleagar.

Úsáideann an Institiúid a cuid comhpháirtíochtaí idirnáisiúnta le hinsitiúidí oideachais eile, leis an tionscal agus le heagraíochtaí sóisialta agus rialtais chun a chinntiú go mbaineann ár gcuid gníomhaíochtaí teagaisc, taighde agus nuálaíochta le hábhar agus go bhfuil siad den scoth ar leibhéal idirnáisiúnta. Mar Uachtarán is léir dom leis, gur gá dúinn a bheith aclaí a dhóthain chun a bheith in ann tacú le cosáin rochtana iolracha chuig an oideachas, agus tuigim gur gá modhanna solúbtha foghlama a sholáthar do phobal mac léinn a bhfuil a ilghnéitheacht ag dul i méid riamh is choíche.

Timpeallacht fíoridirnáisiúnta is ea Institiúid Teicneolaíochta Phort Láirge. Freastalaíonn mic léinn as 70 tír uirthi agus tá comhpháirtíochtaí comhoibrithe straitéiseacha le breis is 300 comhpháirtí oideachais agus tionscail againn. Tá timpeallacht foghlama spreagthach cruthaithe againn in Oirdheisceart na hÉireann.

Táim ag súil le fáilte a chur romhat go WIT. Sa domhan seo againne, ní mac léinn tú amháin ach is ball de phobal a bhfuil fíormheas aige ar gach gné den saol tú: foghlaim, spórt, na healaíona, rannpháirtíocht an phobail agus, níos mó ná haon rud eile, an duine. Is trí oideachas a osclaímid saol deiseanna gan teorainn duit, saol a chuirfidh dúshláin romhat, a spreagfaidh tú agus a thabharfaidh luach saothair duit.

Prof. Willie Donnelly
President / Uachtarán



Imagine making your dreams come true. Discover if one of our CAO courses will get you on the pathway to the career and life you want

Make the most of your undergraduate years by choosing a college with state-of-the-art facilities and a supportive and modern learning environment

Allow yourself time to chill or be active between or after classes with games and movies at the WITSU Social or fitness classes at the WIT Arena

Get off to a flying start with StartWIT, our orientation experience that helps first year students settle in and get to know the campus and their classmates

Investing in your future? Our 1,000 employer links, award-winning Careers Centre, work placement and study abroad options contribute to the success of our graduates

Nights out and plenty of things to do is key to college life. In Waterford city you have everything on your doorstep and a buzz of a city

Every cent matters. Living in Waterford or commuting daily from home you'll find you've more money in your pocket or savings for your future than in expensive big cities

IMAGINE WATE

Waterford Walls has put the city on the creative, cultured and cool map with new urban art and graffiti installations added to the walls of Waterford every year

#WaterfordWalls

Accommodation for students is in abundance and great value compared to other cities – make sure to book early to avail of our selection of city and college campus accommodation

#StudyatWIT

Tramore is a beautiful sandy beach accessible by bus from Waterford city – an ideal way to spend a sunny evening after college

#Tramore

Enjoy the great outdoors? Bring your bike along the Waterford Greenway which stretches across the county, drive along the Copper Coast or walk the Comeragh Mountains

#WaterfordGreenway

RFORD

Restaurants, theatres, cinemas, clubs, venues, an entertainment quarter and planned cultural quarter will help you become cultured, a vital part of the student experience

#LoveWaterford

Firmly on the tourist map as Ireland's oldest city attracting busloads of tourists year round, Waterford is an up and coming place to be with an international vibe

#VikingTriangle

On a mission to find some new style? There's something for every budget from big brand fashion and sportswear retailers to vintage and charity shops

#WaterfordCityCentre

Running for the bus? Waterford city is well connected to all major urban centres by bus and train. Get around easily with city buses, campus shuttle buses and cycle lanes

#SmarterTravelCampus

Day or night the new Apple Market area is where Waterford comes alive; feel at ease in a city with Purple Flag status for night-time safety

#AppleMarket

Photo credit: DigiCol Photography
www.digicolphotography.com

COMMON ENTRY

SCHOOL OF BUSINESS

WD048

Bachelor of Business (Hons) (Common Entry)

LEVEL 8

- WD048 LEVEL 8 — Stream: Economics & Finance
- WD048 LEVEL 8 — Stream: Human Resource Management
- WD048 LEVEL 8 — Stream: Management
- WD048 LEVEL 8 — Stream: Accounting
- WD048 LEVEL 8 — Stream: Marketing

SCHOOL OF ENGINEERING

WD007

Engineering (Common Entry)

LEVEL 8

- WD007 SEE LEVEL 8 — BEng (Hons) in Sustainable Energy Engineering
- WD007 SCE LEVEL 8 — BEng (Hons) in Sustainable Civil Engineering
- WD007 ECE LEVEL 8 — BEng (Hons) in Electronic Engineering
- WD007 ELE LEVEL 8 — BEng (Hons) in Electrical Engineering

SCHOOL OF HEALTH SCIENCES

WD005

Health Sciences (Common Entry)

LEVEL 8

- WD005 HPP LEVEL 8 — BSc (Hons) in Public Health & Health Promotion
- WD005 AHC LEVEL 8 — BSc (Hons) in Applied Health Care

WD006

Exercise Sciences (Common Entry)

LEVEL 8

- WD006 ESS LEVEL 8 — BSc (Hons) in Sport & Exercise Science
- WD006 ESN LEVEL 8 — BSc (Hons) in Nutrition & Exercise Science
- WD006 ESH LEVEL 8 — BSc (Hons) in Health & Exercise Science

Modern courses for modern career paths

At Waterford Institute of Technology we continually evolve our portfolio of courses to reflect the shifts in industry and in career path options. In recent years, we have undergone a major transformation as we strive to meet third level students' need for time and space to decide on the career path for them, combined with a modern set of courses that meet the requirements of employers in Ireland and abroad.

Unprecedented range of common entry options

The focus of our portfolio is on common entry courses and we offer at least one programme in each of our five academic schools. We now have common entry courses in Business, Engineering, Health Sciences, Exercise Sciences, Humanities, Science and Computing giving students an unprecedented level of choice across our portfolio.

Take time to choose

At WIT we know that making decisions about courses can be difficult. For some, this results in a decision to choose a narrow area of study rather than keeping their options open. Our range of common entry programmes are designed with the student in mind and give students who know what discipline they are suited to that extra bit of time to choose the right specialism for them.

All CAO courses

While we have seven common entry courses at Level 8, our portfolio contains many standalone and specialist courses ranging from Higher Certificate to Honours Degree. To view the full portfolio of CAO undergraduate programmes offered at WIT, visit www.wit.ie/courses.

SCHOOL OF HUMANITIES

WD200 Bachelor of Arts (Hons) — LEVEL 8

- WD200 LEVEL 8 — Major: English
- WD200 LEVEL 8 — Major: Sociology
- WD200 LEVEL 8 — Major: Religious Studies
- WD200 LEVEL 8 — Major: Theatre Studies
- WD200 LEVEL 8 — Major: French
- WD200 LEVEL 8 — Major: Spanish
- WD200 LEVEL 8 — Major: Irish

SCHOOL OF SCIENCE & COMPUTING

WD002 Science (Common Entry) — LEVEL 8

- WD002 PHY LEVEL 8 — BSc (Hons) in Physics for Modern Technology
- WD002 PHA LEVEL 8 — BSc (Hons) in Pharmaceutical Science
- WD002 BIO LEVEL 8 — BSc (Hons) in Molecular Biology with Biopharmaceutical Science
- WD002 FOO LEVEL 8 — BSc (Hons) in Food Science & Innovation

WD001 Applied Computing (Common Entry) — LEVEL 8

- WD001 AAS LEVEL 8 — Stream: Automotive & Automation Systems
- WD001 CLN LEVEL 8 — Stream: Cloud & Networks
- WD001 CFS LEVEL 8 — Stream: Computer Forensics & Security
- WD001 IOT LEVEL 8 — Stream: Internet of Things
- WD001 GAD LEVEL 8 — Stream: Game Development
- WD001 MED LEVEL 8 — Stream: Media Development

TRY WIT

TRY ARCHITECTURE
8 NOVEMBER 2019

TRY MUSIC
17 OCTOBER 2019

TRY LAW
9 DECEMBER 2019

TRY NURSING
29 OCTOBER -
1 NOVEMBER 2019

LEAVING CERT MUSIC DAY
14 NOVEMBER 2019

Take time to 'Try' your course

Experience what life at college in Waterford is like by attending one of WIT's Try events. Try WIT events are designed to give prospective students (mainly Leaving Certificate, fifth year and FE students) the opportunity to "try before they buy" so they can make more informed choices at CAO time.

Try WIT events take place at various times throughout the year but mainly between October and March. With each event focused on a specific discipline area, prospective students will gain an insight into their area of interest and have the opportunity to gain further information relating to career choice, graduate opportunities, course and entry requirements.

In addition to attending workshops, lectures and seminars prospective students will have the opportunity to tour our campus, to meet with current students and experience college life at WIT first hand.

For a full list of Try WIT events please visit www.wit.ie/try.

TRY BUSINESS
10 DECEMBER 2019

TRY SOCIAL SCIENCE
9 DECEMBER 2019

TRY HOTEL
10 DECEMBER 2019

TRY SPORT
21 FEBRUARY 2020

TRY ART
26 FEBRUARY 2020

TRY ENGINEERING
22 JANUARY 2020

TRY LANGUAGES
11 DECEMBER 2019

WIT clubs & societies

WIT has a tremendous sporting history which continues to grow each year. The GAA Club has been at the forefront of WIT's sporting success winning 9 Fitzgibbon Cups and 8 Ashbourne Cups since its formation back in 1982. Through collaboration with Waterford FC in soccer, Munster Rugby, the newly formed national league men's basketball team WIT Vikings and the appointment of an international athletics coach as athletics development officer, great strides have been made in developing sport at WIT.

With almost 30 sports clubs registered other highly featured sports in WIT include boxing, badminton and equestrian. These clubs have very strong membership bases and represent the Institute at Intervarsity competitions throughout the year. The area of societies is ever expanding within WIT and caters for a wide range of varying activities and interests. There are in excess of 30 societies including academic, political, social as well as special interest societies that provide a diverse and interesting offering for all our students.

WIT Vikings Sport and WIT Societies are here to help you embark on a new journey in your life along with providing the opportunity for social interaction, new friendships and benefits of being part of a club and society.

WIT ARENA & SPORTS FACILITIES

The WIT Arena is a multi-purpose sports arena building at WIT's West Campus, Carriganore. It is the largest sports, conference and events centre in the South East of Ireland. It serves as a sports facility for students from the Department of Sport & Exercise Science and caters for a wide range of events including; recreational gym users, high performance athletes, multipurpose sports venue, leisure and entertainment events, and conferences.

Since opening in September 2016, WIT Arena has hosted a number of major events, concerts, and conferences as well as multiple indoor sporting events such as basketball, soccer, badminton, volleyball and several other sports. WIT Arena boasts a state-of-the-art commercial "Edge Gym", home to 2000 Arena members, which includes over 100 pieces of cardio and resistance equipment, high performance gym, 3 fitness studios for over 40 different exercise classes per week, 2000sq meter events centre, 6 breakout rooms for meetings and conferences, 5 grass pitches, 2 full size all weather pitches, and direct access to the Waterford Greenway.

See **www.witarena.ie** for further information.

@witarenafirst

wit_arena

@arenawit

WIT VIKINGS SPORTS SCHOLARSHIP PROGRAMME

The WIT Vikings Sports scholarship programme has recently been redeveloped to offer even greater support to elite athletes. The scholarship programme offers an athlete led development programme aimed at supporting the holistic development of high performance athletes in a wide range of sports. The scholarship programme at WIT is unique with a full-time dedicated Sports Scholarship Coordinator supporting student's needs.

There are a variety of awarding categories of sport scholarships provided by WIT including; Elite, Sport Scholarship and Emerging Talent. In addition external scholarships are provided by the Gaelic Players Association (GAA), the Munster Council GAA, Waterpark RFC, Waterford FC and Bausch and Lomb.

Included in the WIT Sports scholarship programme are:

- Support services
- Financial support
- Academic support and mentoring
- Strength and conditioning
- Sport science support
- Sports gear
- Access to medical and physiotherapy services
- Gym membership

When to apply?

Early offers are made to some students who apply before 13 March 2020. The final deadline for applications is 18 September 2020.

Who can apply?

Any student who intends to enroll on a WIT course or who has accepted a WIT course can apply, once their sporting organisation is recognised by Sport Ireland.

Where do I apply?

Students can apply online at **www.wit.ie/sportsscholarships**

Once selected to the programme, scholarship athletes are expected to be leaders on the sport field and in their academic studies and play an active role in their WIT Sports Club. Students reapply each year to the WIT Sports scholarship programme.

If you think you have what it takes you can get more information by visiting the WIT Vikings Sports & WIT Societies Office on the Cork Road Campus, by emailing sportscholarships@wit.ie or by calling 051-302238.

See **www.wit.ie/sportsscholarships** for further information.

WIT Sport Scholarships **witsportscholarships**

WIT SOCIETIES

If sport isn't your thing, another great way to get involved at WIT is through societies.

- Architecture
- Business
- Christian Union
- Hip Hop
- Heavy Metal
- Horticulture
- Law
- US+LGBT
- Malaysian
- Mature Students
- Musical
- Ógra Fianna Fáil
- Photography
- WITless Gamers
- Visual Arts
- Young Fine Gael
- African
- Culinary Arts
- Elsa
- FLAC
- Poker
- Japanese
- Macra
- Comedy
- E-Gaming
- Labour
- Sociology
- Social Science
- Chinese
- Mental Health
- Pop Punk
- Women in Technology

WIT VIKINGS SPORTS CLUBS

- Athletics
- Badminton
- Basketball (ladies & men)
- Boxing
- Equestrian
- Gaelic Football (ladies & men)
- Golf
- Hurling
- Karate
- Kayaking
- Cricket
- Handball
- Yoga
- Ultimate Frisbee
- Sky Diving
- Mountaineering
- Darts
- Pool
- Rugby (ladies & men)
- Soccer (ladies & men)
- Rowing
- Video Gaming
- Surf
- Swimming
- Table Tennis
- Tennis
- Volleyball

Phil Healy
Sport: Athletics
Achievement: 2019 and 2018 Irish Senior 400m Champion, 2019 Irish University Champion 100m, 200m and 400m
Course: Msc in Computing (Enterprise Software Systems)

"The scholarship programme has been a massive support and help to myself and my coach Shane McCormack, in allowing us to perform at the highest level. The WIT scholarship programme is so well established with superb benefits to each recipient. The access to physio, sports psychology, nutrition and physiology along with academic support services whenever I need it, ensures all aspects helping us to perform are taken care of. Also having the access to the state-of-the-art facilities at WIT Arena, is brilliant. I'm delighted to be a part of the programme, and the support from all at WIT makes everything easier."

Darryl Walsh
Sport: Soccer
Achievement: Colleges and Universities national team and Ireland u16/17/18
Course: Bachelor of Business (Hons)

"The scholarship programme has been very helpful, especially in the weeks leading up to exams with the academic support that's available. Having access to the gym and high performance unit has been extremely beneficial for me and I also found that having a physio available when needed helped me throughout a busy year. Winning the All-Ireland with WIT was a highlight for me and a great experience overall."

Katie Murray
Sport: Football
Achievement: Waterford Senior Ladies Footballers, Division 2 League Champions 2019, Giles Cup Champion 2018, Lynch Cup Champion 2017
Course: Bachelor of Business (Hons)

"I really appreciate the academic help available through the programme it has helped me greatly as the grinds are invaluable if I'm feeling behind in a module. Services such as access to the gym, the high-performance unit and various workshops have helped me to develop all aspects of my game."

Ger Millerick
Sport: Hurling
Achievement: Cork Senior & u20 Hurler
Course: BSc (Hons) in Agricultural Science

"The scholarship programme in WIT has made it easy for me to juggle both my educational and sporting commitments. It has benefited me in the form of finance, physio, grinds, gym and sport workshops throughout the year to aid my development educationally and in my sport. The scholarship programme also helped me tweak my timetable to make it possible to fulfill academic and sporting commitments which was very helpful."

Danielle Morrissey
Sport: Camogie
Achievement: Kilkenny Senior Camogie, All Ireland Finalists 2017 and 2018
Course: Health Sciences (Common Entry)

"The scholarship programme has been very beneficial and rewarding. The support from the sports office was second to none including grinds and physio when needed and access to nutritional advice and psychologists. The best part for me was the unlimited use of both the high-performance unit and the general gym at the WIT Arena. The facilities and equipment are of the highest quality. I spend most of my time training and it's nice to get to the gym and do a recovery session or do that little bit extra yourself."

Student support services

STUDENT LIFE & LEARNING

The Student Life and Learning (SLL) Department provides a range of student supports that are focused on helping students both during the transition to third level and throughout their time at Waterford Institute of Technology.

SLL provides advice and a range of supports for students and acts as a hub of resources, referrals, and information across the WIT community.

SLL offers a wide range of services to support students including: Disability supports, student engagement and retention, chaplaincy, student counselling among other services. SLL also aims to make the Institute more accessible for those who traditionally may not have considered third level education as an option for them. The SLL team work with students on a wide variety of issues, including personal and academic concerns. If they cannot provide assistance, they will certainly point you in the direction of someone who can.

The supports and services of SLL include:

- Overall student supports
- Student engagement and retention initiatives
- Student volunteering opportunities
- Access Office
- Support for students with disabilities
- Health and wellbeing
- Student counselling
- Chaplaincy
- Careers office
- Financial assistance for students who are experiencing financial hardship (SAF)

Focusing in particular on first year students, the STEPS (Student Transition Engagement Progression and Success) programme offers a range of supports including:

- StartWIT (First year transition and orientation)
- Peer mentoring programmes
- Information sessions
- Social activities

CONTACT

Student Life and Learning is located in the Atrium in the main building of the Cork Road Campus.
The sll@wit.ie email acts as the central point of contact if students are unsure which service best meets their need. For further information, visit **www.wit.ie/sll**

STUDENT ASSISTANCE FUND

Full-time registered students who are experiencing financial difficulty whilst attending college are eligible to apply to the Student Assistance Fund (SAF). Students can apply for SAF to help them with either temporary or ongoing financial difficulties.

For further information please see www.studentfinance.ie or email **saf@wit.ie**.

STUDENT COUNSELLING

WIT's counselling service provides a safe, supportive and confidential environment in which students can discuss any emotional or psychological difficulties they may be experiencing. The service operates in both the College Street and Cork Road Campuses.

For further information, email **studentcounselling@wit.ie**.

SUPPORT FOR STUDENTS WITH DISABILITIES

The Disability Office provides supports to students with a range of disabilities including but not limited to, physical disabilities, sensory disabilities, specific learning difficulties, mental health difficulties, significant ongoing illness, neurological conditions, developmental co-ordinator disorder, ADD/ADHD and Autism Spectrum Disorder (ASD).

The service operates from the Student Life and Learning Office. In order to avail of supports, students must register with the disability office and provide evidence of disability. An appointment can be made by emailing disabilityoffice@wit.ie.

Students who register with the disability office are provided with a needs assessment through which supports are approved. Supports are varied and can include for example assistive technology, learning support, examination accommodations etc. Supports are funded through the HEA under the Fund for Students with Disabilities.

Disability Officer
Laura Hartrey, Tel: 051-302871, E-mail: disabilityoffice@wit.ie

DARE PROGRAMME

Waterford Institute of Technology has joined the Disability Access Route to Education (DARE) for 2020 CAO entry and has reserved a number of reduced points course places for DARE applicants. 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 through the CAO to school leavers who, as a result of having a disability, have experienced additional educational challenges in second level education.

For more information on applying to DARE visit: www.accesscollege.ie.

PASTORAL CARE

The Chaplain provides pastoral care for students and staff. Pastoral care work follows through to home and family life especially with regard to illness, bereavement and loss. The Chaplain has a private office (Room D 26, Cork Road Campus) and is available to students, their families and staff members.

Chaplain
Fr. David Keating, Tel: 051-302617, E-mail: dkeating@wit.ie

STUDENTS' UNION

WITSU
@WITSU
WITSUsnap
witsu_insta

All registered students are automatically members of the WIT Students' Union. The Students' Union main activities are to:

- Represent your day to day interests on campus
- Ensure your voice is heard
- Protect your welfare needs
- Protect your educational needs
- Organise events
- Be your representative on Institute committees

The Union actively seeks to prevent problems arising for students. It is both a strong lobbying and representative organisation working on behalf of the students of WIT. Your Union is only as strong as its members - so we encourage you to get involved from day one! For more Information visit: **www.witsu.ie**.

LIBRARIES

WIT Libraries (Cork Road and College Street) provide a comprehensive range of information services and resources to support student learning and research. Facilities in the award-winning Luke Wadding library, on the Main Campus, include in excess of 1,000 reader spaces over 3 floors. The state-of-the-art library offers a variety of technology-rich learning spaces including suites of pc's, wireless internet access, individual study spaces, group study and seminar rooms, printing and photocopying services and a rooftop cafeteria. In addition, College Street Campus library houses specialised collections in Music and Architecture.

With a collection of over 200,000 books, journals and audiovisual materials, WIT Libraries also provide 24/7 access to over 120,000 eBook titles and a vast array of online journals & research databases, accessible both on and off campus. Library staff offer friendly, on-demand, help and training to all students in finding and using the information that they need to succeed at college and into their future careers. During term, the library opens at night and on Saturdays.

www.wit.ie/library
witlibraries
@witlibraries
@witlibraries

COMPUTING & MATHS LEARNING CENTRE

The Computing & Maths Learning Centre is located in FTG25 on the Cork Road Campus. It is open to all students and is free of charge. It provides additional programming and maths support to students. It is also a quiet study area for students to work on their programming and maths assignments.

For further information, visit **www.wit.ie/cmlc**

BANKING ON CAMPUS

Allied Irish Banks (AIB) has ATMs on campus to provide banking services to students.

WIT STUDENT CARD

At WIT, the WITCard is the official identification card for students and staff. It is required to access the Library and various other labs and rooms that have access control. Your WITCard is also required for Library services, exam authentication and can also be used for printing and photocopying. Your WITCard will be issued as part of StartWIT (registration and orientation programme) in early September.

ACCOMMODATION

Combining character and style with comfort and security, WIT Campus Accommodation known as City Campus and College Campus is the natural choice for many of our students. Purpose built and fully equipped, the environment is safe and pleasant, ideal for living and studying. Spacious and modern, all apartments feature en-suite bedrooms, fully fitted kitchens and dedicated study areas.

There's also 24 hour security, internet access, secure parking, games room plus a serviced laundrette and a host of on-site services. The key factor is that there's a real sense of college life and community spirit.

WIT StudentPad, a website dedicated to providing students with solutions to find safe and suitable private rental student accommodation, is a further service offered by WIT. WIT StudentPad allows students to search for accredited rooms, houses and apartments in close proximity to our campuses.

For more information, visit **www.wit.ie/accommodation**

CAMPUS SHOPPING

Across campus you will find many shops selling commodities required by students, to make your life that bit easier - for example, writing materials, drawing instruments, confectionery, sports gear, clothing, newspapers, textbooks, bus tickets, stamps, electronic devices - all at competitive prices. Centra @ The HOT HOUSE and The Well offer a full range of convenience products for students with indoor/outdoor seating areas.

WITBubble

A contact point located on both the Cork Road & College St. campuses incorporating a range of various non-academic service including:

- Printing & Copying
- WITCard
- Accommodation Services
- Thesis Binding
- Access Control

EAT ON CAMPUS

Food on campus is second to none and our ethos is to provide healthy, freshly prepared, tasty food. There are a number of restaurants across our campuses which cater for all tastes:

- The Gallery: A fabulous restaurant spread over 2 floors offering an exotic range of healthy foods
- Oscar's Café: Located in the Luke Wadding Library, with Barista bar and outdoor patio
- Centra @ The HOT HOUSE: The food hall and hub of the Cork Road Campus including a Frank & Honest Barista café
- College St. Café: Great Deli and hot food bar
- Browne's Rd. Café: Rustic breakfasts, hearty salads and lunch
- WIT Arena Café: Barista café with tasty sandwiches, salads and healthy snacks
- The Dome: From coffees to curries, to chill areas

Careers Centre

The Careers Centre is the main point of contact for:

- Students and graduates interested in planning and developing their career
- Employers interested in graduate recruitment
- Information on graduate employment and market trends

WIT's award-winning Careers Centre is committed to supporting students and recent graduates in developing and implementing successful career plans, and facilitating the recruitment process for students and employers. The Careers Centre supports the Institute in providing opportunities for students and graduates to develop the skills and attributes required to manage their careers throughout their working lives.

CONTACT US

Careers Advisor: Angela Collins

Location: White Atrium, Main Building, Cork Road Campus

Opening hours:
Monday and Thursday: 2.30pm to 4.00pm
Tuesday and Wednesday: 10.00am to 12.30pm and 2.30pm to 4.00pm
Friday: 10.00am to 12.30pm

Telephone: 051 302038
Email: careers@wit.ie

Resources are available in person or at **www.wit.ie/careerscentre**

1000+

EMPLOYERS ADVERTISE GRADUATE JOBS ON WIT.IE EACH YEAR

>90%

OF WIT GRADUATES IN EMPLOYMENT OR FURTHER STUDY

2000+

STUDENT CV'S REVIEWED BY WIT CAREERS CENTRE EACH YEAR

6000+

THE NUMBER OF STUDENTS WHO RECEIVED CAREER GUIDANCE IN 2019

WIT President's Scholarship Programme 2020

Five scholarships worth up to €12,000

The WIT President's scholarship programme encourages and rewards inspiring young people who demonstrate a capacity to shape a better society.

At WIT we believe that there are many different types of people who make our world a better place – it's not always about achieving the highest marks. We recognise that people excel in life and contribute to society in many different ways. Some are creative, some are innovators, others are great leaders and more make significant contributions to our community.

We want to support five individuals who already demonstrate the ability to make Irish society a better place, and allow them to further their potential.

HOW TO APPLY

Step 1: Make a CAO application by Saturday, 1 February 2020 (5.15pm), listing the WIT course you would like to undertake.

Step 2: Apply for the WIT President's scholarship programme before Sunday, 1 March 2020 (5.15pm) using the online application form at www.wit.ie.

LEARN MORE

For more information, visit **www.wit.ie/psp**

SCHOOL OF BUSINESS

www.wit.ie/business

COURSE OPTIONS & PROGRESSION CHART 19

John Hume Scholarship

All first year business students are entitled to apply for the John Hume Scholarship which is awarded by the combined Waterford Credit Unions to a first year student of the School of Business on the basis of academic and community performance.

See www.wit.ie for the most up to date information.

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

HEAD OF SCHOOL

Tom O'Toole, BComm, MBS, PhD, FMII, FIAM
Email: totoole@wit.ie

Head of Department of Accounting & Economics:

Ger Long, BA (Hons) BFS, MBA, AITI, FCA
Email: glong@wit.ie

Head of Department of Management & Organisation:

Joan McDonald, B.Comm, H.Dip in Ed. MA (Mgmt in Education), BA (HRM), BABFS, ACIS, FCIPD
Email: jmcdonald@wit.ie

CONTACTING THE SCHOOL

Sandra Haberlin, School Administrator
Tel: 051 302841, email: shaberlin@wit.ie

Jenny Devereux, School Secretary
Tel: 051 302184, email: jdevereux@wit.ie

DEPARTMENTAL SECRETARIES

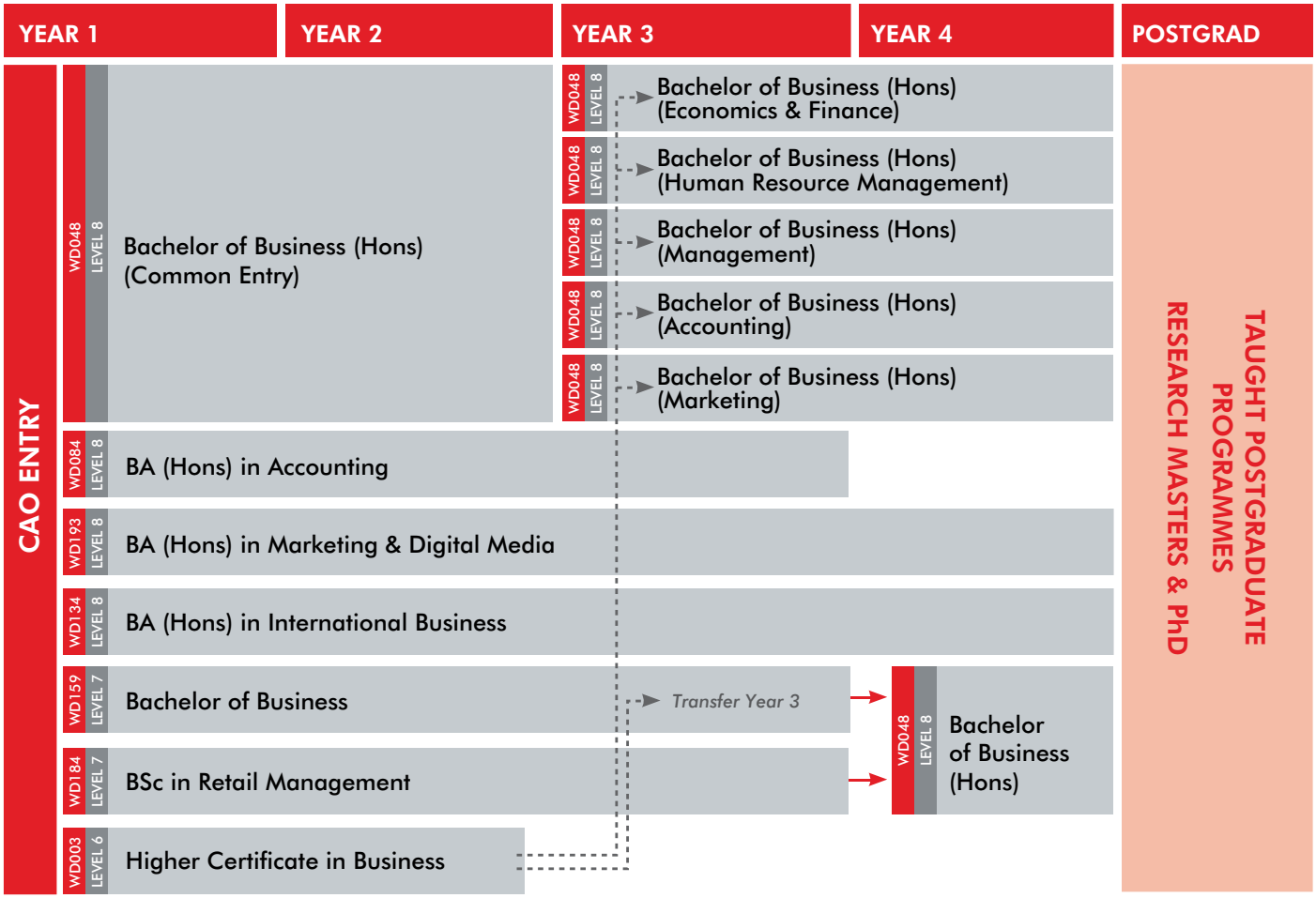
Elaine Mullally
Department of Accountancy & Economics
Tel: 051 302857, email: emullally@wit.ie

Niamh Power
Department of Management & Organisation
Tel: 051 302675, email: npower@wit.ie

Margo O'Dowd
Department of Graduate Business
Tel: 051 302036, email: mmodowd@wit.ie

BUSINESS AT WIT

SCHOOL OF BUSINESS



Advanced Entry: Students who have completed all or part of a third level qualification may be eligible for entry into years other than year 1 of our courses. See www.wit.ie/advancedentry

BACHELOR OF BUSINESS (HONS)

(Common entry)

APPLY CAO
WD048
wit.ie/wd048

LEVEL
8

ENTRY REQUIREMENTS
2 subjects: H5
4 subjects: O6/H7
English or Irish: O6/H7
Mathematics: O6/H7

LANGUAGE RECOMMENDATIONS
Irish: H5 in Irish
French: O3/H6 in French
German: O3/H6 in German
Spanish: O3/H6 in Spanish
Spanish Ab Initio: For those starting Spanish as a beginner there are no special requirements

POINTS 2019
Min: 278
Range: 278 - 531

DURATION
4 years

COURSE LEADER
Dermot Moore, FCCA
Tel: 051 845620
Email: dmoore@wit.ie

Course Aims
This four-year fulltime course offers you a broad range of business skills combined with a thorough knowledge of the financial and economic environment in which firms operate. On graduation, you will have developed personal and professional skills which will give you the confidence to start a successful business career, in Ireland or overseas.

Flexible Degree
This common entry course is extremely flexible, giving you a broad understanding of a range of disciplines in the first two years while allowing you to specialise and get a greater understanding of the area of most interest to you in the final two years.

Specialisations
· Economics & Finance (see page 21)
· Human Resource Management (see page 22)
· Management (see page 23)
· Accounting (see page 24)
· Marketing (see page 25)

Language Options
You are encouraged to study one of four languages as part of your degree, although this is not a requirement.
· French · Irish · Spanish · German

Follow on Study
Master of Business:
· Internationalisation
· Accounting
· Marketing
· Economics and Finance
· Human Resource Managment
· Management
Masters by Research

Career Opportunities
Graduates will be suitable to take up a position at a junior/middle management level in many types of business organisations ranging from small family businesses to multi-national corporations, the public service and voluntary organisations. For more careers, see www.wit.ie/WD048

Professional Body Exemptions
Graduates are entitled to exemptions from many of the leading professional accountancy and management bodies including:
· ACA (Chartered Accountants Ireland)
· ACCA (Association of Chartered Certified Accountants)
· CIMA (Chartered Institute of Management Accountants)
· The Marketing Institute of Ireland
· CIPD (Chartered Institute of Personnel & Development) leading to Associate Membership

UNIQUE FEATURE - FLEXIBLE SEMESTER

This facilitates the development of skills in the areas of communication, customer service awareness, decision making, problem solving, teamwork, commercial awareness, creativity, confidence and reflection.

In Semester 6 students will be given an opportunity to participate in one of the following:

International Placement: Students spend the semester abroad studying in one of our partner colleges in Europe, USA, Canada, India or China.

Work Placement: Students spend the semester in appropriate work placement, representative of many business sectors.

Start Up Lab: Students set up and run their own business during the semester. They are provided with professional mentoring from the experienced business community in the areas of business planning, marketing and selling, finance and IT.

Teaching Skills: Students spend the semester teaching three days a week in a host primary or secondary school, supported by practical modules in college two days a week.

BUSINESS (Common Entry) DEGREE OPTIONS

BACHELOR OF BUSINESS (HONS)

ECONOMICS & FINANCE

APPLY CAO
WD048
wit.ie/wd048

LEVEL
8

ENTRY ROUTE

WD048: Bachelor of Business (Hons)

DURATION
4 years

STREAM LEADER
Dr Cormac O'Keeffe
BBS, MEconSc, PhD
Tel: 051 845607
Email: cokeeffe@wit.ie

What is the Economics & Finance stream on the BBS (Hons) programme?

The Economics and Finance stream on the BBS (Hons) programme provides students with the opportunity to specialise in Economics and Finance for the final two years or their degree, taking modules such as Financial Economics, Economic Policy Issues, and Investments. The stream provides students with skills that are hugely in demand in the market place and provides a great platform for postgraduate studies, with many past graduates undertaking the Economics and Finance stream of the MBS degree in WIT and several have continued their studies and obtained a PhD qualification.

The stream applies economics and finance concepts to key contemporary issues such as Brexit, Crypto currencies, and economic crises and students are given the opportunity of testing theories on real-world data. In addition, graduates can also – after completion of other relevant qualifications – apply to the Teaching Council to be permitted to teach in secondary schools.

Career Opportunities

Graduates of the Economic and Finance stream will be very well-positioned to pursue a career in areas such as:

- Economic Policy Advisory Services
- Investment Analyst
- Claims Analyst
- Senior Custody Administrator
- Teaching
- Derivatives Trader
- Policy Analyst
- Relationship Banker
- Underwriter

Professional Body Exemptions

Graduates with a Bachelor of Business (Hons) award are also entitled to exemptions from many of the leading professional accountancy and management bodies including:

- ACA (Chartered Accountants Ireland)
- ACCA (Association of Chartered Certified Accountants)
- CIMA (Chartered Institute of Management Accountants)

Follow on Study

Numerous follow on study options at WIT are available to gradudates of the Bachelor of Business (Hons) Economics and Finanace stream including a Master of Business and a Master by Research/PhD.

- Master of Business (Economics and Finance)
- Master of Business – Internationalisation
- Master by Research

COURSE OUTLINE

YEAR ONE

SEMESTER ONE
- Introduction to Financial Accounting 1
- Introduction to Management
- Introduction to Statistics
- Organisational Behaviour
- Microeconomics 1
- One elective

SEMESTER TWO
- Business & Financial Maths
- Enterprise
- Introduction to Financial Accounting 2
- Introduction to Human Resource Management
- Microeconomics 2
- One elective

YEAR TWO

SEMESTER THREE
- Costing
- Human Resource Management
- Introduction to Business Law
- Introduction to Marketing
- Macroeconomics 1
- One elective

SEMESTER FOUR
- Probability & Operations Management
- Career Development Skills
- Four electives

YEAR THREE

SEMESTER FIVE
- Applied Quantitative Analysis
- Business Finance
- Applied Finance
- International Economics
- Managerial Economics
- One elective

SEMESTER SIX

CHOOSE 1
- Teaching Skills
- Start-up Lab
- International Placement
- Work Placement

YEAR FOUR

SEMESTER SEVEN
- Business Strategy
- Digital Economy
- Economic Policy Issues
- Financial Economics
- Financial Markets & Institutions
- One elective

SEMESTER EIGHT
- International Corporate Strategy
- International Risk Management
- Investments
- Open Economy Macroeconomics
- Financial Data Analysis / Economics / Finance
- Research Report
- One elective

STUDENT VIEW

"I am currently living and working in Columbus, Ohio as a Global Brand Ambassador for Jameson Irish Whiskey. I feel that the course at WIT prepared me well for this opportunity. I really enjoyed my course and getting the chance to study a wide range of business subjects before specialising in Year 3 meant that I had a great insight into what area of business I would like to pursue."

Lisa McGrath

BACHELOR OF BUSINESS (HONS)

HUMAN RESOURCE MANAGEMENT

APPLY CAO **WD048**

wit.ie/wd048

LEVEL **8**

ENTRY ROUTE

WD048: Bachelor of Business (Hons)

DURATION
4 years

STREAM LEADER
Anne Marie McGrath
BBS,MBS,MCIPD
Tel: 051 845612
Email: ammcgrath@wit.ie

What is the Human Resource Management stream on the BBS (Hons) programme?

Human Resource Management is working with and managing people. The Human Resource Managmement stream offers a professional qualification that develops the skills, knowledge and competencies required of Human Resource Professionals today. The course is accredited by the Chartered Institute of Personnel and Development (CIPD).

The stream covers all areas of human resource management (HRM), employee development, employee wellbeing and employment relations developing links with HRM and the broader business environment. The modules balance practical Human Resource Management skills that can be applied in the everyday operational role of Human Resource professionals and developing the strategic competencies for progression into more senior management roles. In addition, graduates can also – after completion of other relevant qualifications – apply to the Teaching Council to be permitted to teach in secondary schools.

Career Opportunities

Graduates of the Human Resource Management stream will be very well-positioned to pursue a career in areas such as:

- HR Administrators
- Recruitment Consultants
- Development Managers
- HR Consultants
- Teaching
- HR Generalists and HR managers
- Trainers and Training and
- Benefits Managers
- Health and Safety officer

Professional Body Exemptions

Graduates with a Bachelor of Business (Hons) award are eligible for membership of some of the leading professional human resource management bodies including:

- CIPD (Chartered Institute of Personnel & Development)
- IITD (Irish Institute of Training and Development)

Follow on Study

Numerous follow on study options at WIT are available to graduates of the Bachelor of Business (Hons) Human Resource Management stream including a Master of Business and a Master by Research/ PhD.

- Master of Business (Human Resource Management)
- Master of Business – Internationalisation
- Master by Research

COURSE OUTLINE

YEAR ONE

SEMESTER ONE
- Introduction to Financial Accounting 1
- Introduction to Management
- Introduction to Statistics
- Organisational Behaviour
- Microeconomics 1
- One elective

SEMESTER TWO
- Business & Financial Maths
- Enterprise
- Introduction to Financial Accounting 2
- Introduction to Human Resource Management
- Microeconomics 2
- One elective

YEAR TWO

SEMESTER THREE
- Costing
- Human Resource Management
- Introduction to Business Law
- Introduction to Marketing
- Macroeconomics 1
- One elective

SEMESTER FOUR
- Probability & Operations Management
- Career Development Skills
- Four electives

YEAR THREE

SEMESTER FIVE
- Applied Quantitative Analysis
- Financial Management
- Design & Deliver Training
- Principles of Employment Law
- Resourcing & Talent Planning
- One elective

SEMESTER SIX

CHOOSE 1
- Teaching Skills
- Start-up Lab
- International Placement
- Work Placement

YEAR FOUR

SEMESTER SEVEN
- Business Strategy
- Digital Economy
- Employee Relations
- Employment Law in Practice
- Project - minor dissertation
- One elective

SEMESTER EIGHT
- International Corporate Strategy
- Employee Relations Skills
- Performance Management
- Project - minor dissertation 2
- Strategic Human Resource Management
- One elective

STUDENT VIEW

"Studying business in Waterford presented the best choice of modules of all the business courses in the country. The lecturers are also recognised as experts in their fields and the class sizes are relatively small. It really enhanced the learning experience and having lecturers who are approachable and engaging made the course all the more enjoyable."

Una Jackman

BACHELOR OF BUSINESS (HONS)

MANAGEMENT

APPLY CAO
WD048
wit.ie/wd048

LEVEL
8

ENTRY ROUTE

WD048: Bachelor of Business (Hons)

DURATION
4 years

STREAM LEADER
Elizabeth Shanley
BBS, MEconSc, PhD
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Email: eshanley@wit.ie

What is the Management stream on the BBS (Hons) programme?

The Management stream is designed to enable students to develop a broad set of conceptual, technical and interpersonal skills required to manage efficiently and effectively in a global business environment. This stream has been developed to respond to current industry skills needs. The stream offers students the scope and opportunity to enhance their management development capabilities and facilitate improvements in management practices within companies. There are significant employment and promotion opportunities at management level for graduates from this stream. In addition, graduates can also – after completion of other relevant qualifications – apply to the Teaching Council to be permitted to teach in secondary schools.

Professional Body Exemptions

Graduates with a Bachelor of Business (Hons) award are also entitled to exemptions from many of the leading professional management bodies

Follow on Study

Numerous follow on study options at WIT are available to gradudates of the Bachelor of Business (Hons) Management stream including a Master of Business and a Master by Research/PhD.

- Master of Business (Management)
- Master of Business – Internationalisation
- Master by Research

Career Opportunities

Graduates of the Management stream will be very well-positioned to pursue a career in areas such as:

- Business analyst
- Customer relations manager
- Business operations manager
- Small business owner
- Procurement/product/quality/ sustainability/supply chain manager
- Project manager
- Financial planner
- Business development manager
- Teaching

Cork Road Campus

COURSE OUTLINE

YEAR ONE

SEMESTER ONE
- Introduction to Financial Accounting 1
- Introduction to Management
- Introduction to Statistics
- Organisational Behaviour
- Microeconomics 1
- One elective

SEMESTER TWO
- Business & Financial Maths
- Enterprise
- Introduction to Financial Accounting 2
- Introduction to Human Resource Management
- Microeconomics 2
- One elective

YEAR TWO

SEMESTER THREE
- Costing
- Human Resource Management
- Introduction to Business Law
- Introduction to Marketing
- Macroeconomics 1
- One elective

SEMESTER FOUR
- Probability & Operations Management
- Career Development Skills
- Four electives

YEAR THREE

SEMESTER FIVE
- Applied Quantitative Analysis
- Financial Management
- Leadership & Problem Solving
- Managing Quality & Continuous Improvement
- Supply Chain Management
- One elective

SEMESTER SIX

CHOOSE 1
- Teaching Skills
- Start-up Lab
- International Placement
- Work Placement

YEAR FOUR

SEMESTER SEVEN
- Business Strategy
- Digital Economy
- Lean Practice
- Organisational Design
- One elective

SEMESTER EIGHT
- International Corporate Strategy
- Business & Society
- Developing Leadership Skills
- Managing Change & Conflict
- Managing Innovation
- One elective

STUDENT VIEW

"I originally come from Waterford so the lure of attending the top institute of technology in the country whilst getting to remain at home was too good to pass on. Through my previous experiences in business and technology I've been very lucky to work with WIT affiliated organisations and businesses and spent a lot of time in the likes of the Arclabs and TSSG. Understanding the ethos of WIT influenced my decision to stay at home."

Jordan Casey

BACHELOR OF BUSINESS (HONS)

ACCOUNTING

APPLY CAO

WD048

wit.ie/wd048

LEVEL

8

ENTRY ROUTE

WD048: Bachelor of Business (Hons)

DURATION
4 years

STREAM LEADER
Dr Chris O'Riordan
BA FCA MBA PhD
Tel: 051 845610
Email: coriordan@wit.ie

What is the Accounting stream on the BBS (Hons) programme?

The Accounting stream is primarily for those students who are interested in either a career in accountancy (industry/practice) or teaching accountancy-related subjects at second-level. In this regard, the stream places an emphasis on modules that address the learning that an aspiring accountant needs. This includes modules on financial reporting, management accounting, taxation, finance, law and auditing. On successful completion of the stream, and the achievement of certain marks in specific modules, many graduates apply for a range of exemptions from the professional examinations of the main accounting bodies. In addition, graduates can also – after completion of other relevant qualifications – apply to the Teaching Council to be permitted to teach in secondary schools.

Professional Body Exemptions

Graduates with a Bachelor of Business (Hons) award are also entitled to exemptions from many of the leading professional accountancy bodies including:

- ACA (Chartered Accountants Ireland)
- ACCA (Association of Chartered Certified Accountants)
- CIMA (Chartered Institute of Management Accountants)
- CPA (Institute of Certified Public Accountants in Ireland)

Career Opportunities

Graduates of the Accounting stream will be very well-positioned to pursue a career in areas such as:

- Accounting
- Finance (including Banking and Insurance)
- Auditing
- Management Consultancy
- Taxation
- Information Systems Management
- Business Development Management
- Sales
- Entrepreneurship
- Public Relations
- Teaching
- Financial services

Follow on Study

Numerous follow on study options at WIT are available to gradudates of the Bachelor of Business (Hons) Accounting stream including a Master of Business and a Master by Research/PhD.

- Master of Business (Accounting)
- Master of Business – Internationalisation
- Master by Research

COURSE OUTLINE

YEAR ONE

SEMESTER ONE
- Introduction to Financial Accounting 1
- Introduction to Management
- Introduction to Statistics
- Organisational Behaviour
- Microeconomics 1
- One elective

SEMESTER TWO
- Business & Financial Maths
- Enterprise
- Introduction to Financial Accounting 2
- Introduction to Human Resource Management
- Microeconomics 2
- One elective

YEAR TWO

SEMESTER THREE
- Costing
- Human Resource Management
- Introduction to Business Law
- Introduction to Marketing
- Macroeconomics 1
- One elective

SEMESTER FOUR
- Probability & Operations Management
- Career Development Skills
- Four electives

YEAR THREE

SEMESTER FIVE
- Applied Quantitative Analysis
- Business Finance
- Company Law 1
- ERP System Skills
- Intermediate Financial Reporting 1
- One elective

SEMESTER SIX

CHOOSE 1
- Teaching Skills
- Start-up Lab
- International Placement
- Work Placement

YEAR FOUR

SEMESTER SEVEN
- Business Strategy
- Digital Economy
- Intermediate Financial Reporting 2
- Decision Making
- Income Tax
- One elective

SEMESTER EIGHT
- International Corporate Strategy
- Advanced Financial Reporting
- Applied Finance
- Performance Measurement
- Taxation
- One elective

STUDENT VIEW

"I chose to study business and accounting at Waterford Institute of Technology because I always loved accounting in secondary school. However, I chose the Bachelor of Business degree as it incorporated study abroad or work experience and gives me a better insight into the business world. I chose WIT because the facilities are fabulous and the course is amongst the best in the country."

Evelyn Farrell

BACHELOR OF BUSINESS (HONS)

MARKETING

APPLY CAO
WD048
wit.ie/wd048

LEVEL
8

ENTRY ROUTE

WD048: Bachelor of Business (Hons)

DURATION
4 years

COURSE LEADER
Dr Ethel Claffey
BA, Grad. Dip, MBS, PhD
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Email: eclaffey@wit.ie

What is the Marketing stream on the BBS (Hons) programme?

The Bachelor of Business (Hons) Marketing stream prepares students for employment in marketing related positions in the digital age. The modules are designed to develop the knowledge and skills required in a marketing professional. The programme includes lab work, seminars, case studies and live projects that provide the competencies required to be a successful marketer. It also uses an innovative blend of real-world situations and problems to assist participants in exploring the opportunities of the digital environment. This stream also serves as a pathway to further studies (through Masters and PhD programmes) and to professional accreditation (such as the Marketing Institute of Ireland). In addition, graduates can also – after completion of other relevant qualifications – apply to the Teaching Council to be permitted to teach in secondary schools.

Professional Body Exemptions

Graduates with a Bachelor of Business (Hons) award are also entitled to exemptions from many of the leading professional management bodies including:

- The Marketing Institute of Ireland (MII)

Career Opportunities

Graduates of the Marketing stream will be very well-positioned to pursue a career in areas such as:

- Advertising
- Brand Management and Digital Branding
- Digital Marketing (website design/social media/online promotions/email marketing)
- Entrepreneurship
- Marketing Research
- Sports Sponsorship
- Sales Management
- Customer Relationship Management
- Marketing Communications and Public Relations
- International Marketing Management
- Teaching

Follow on Study

Numerous follow on study options at WIT are available to graduates of the Bachelor of Business (Hons) Marketing stream including a Master of Business and a Master by Research/PhD.

- Master of Business (Marketing)
- Master of Business – Internationalisation
- Master by Research

COURSE OUTLINE

YEAR ONE

SEMESTER ONE
- Introduction to Financial Accounting 1
- Introduction to Management
- Introduction to Statistics
- Organisational Behaviour
- Microeconomics 1
- One elective

SEMESTER TWO
- Business & Financial Maths
- Enterprise
- Introduction to Financial Accounting 2
- Introduction to Human Resource Management
- Microeconomics 2
- One elective

YEAR TWO

SEMESTER THREE
- Costing
- Human Resource Management
- Introduction to Business Law
- Introduction to Marketing
- Macroeconomics 1
- One elective

SEMESTER FOUR
- Probability & Operations Management
- Career Development Skills
- Four electives

YEAR THREE

SEMESTER FIVE
- Applied Quantitative Analysis
- Financial Management
- Digital Marketing Planning
- Marketing Research & Analytics
- The Changing Consumer1
- One elective

SEMESTER SIX

CHOOSE 1
- Teaching Skills
- Start-up Lab
- International Placement
- Work Placement

YEAR FOUR

SEMESTER SEVEN
- Business Strategy
- Digital Economy
- International Marketing
- Project - minor dissertation 1
- Services Marketing
- One elective

SEMESTER EIGHT
- International Corporate Strategy
- Brand Management & Virtual Communities
- Contemporary Advertising
- Customer Relationship Marketing
- Project - minor dissertation 2
- One elective

STUDENT VIEW

"I am from Waterford city so it was an easy choice to study at Waterford Institute of Technology. It's a really great college. I think there are a lot of great links with industry and the course was really practical. I love anything where I have the opportunity to apply myself. In my third year I chose an elective in Public Relations. My lecturer was great and she really made me love the discipline."

Ryan Cunningham

BACHELOR OF ARTS (HONS) IN

ACCOUNTING

APPLY CAO **WD084**

wit.ie/wd084

LEVEL **8**

ENTRY REQUIREMENTS
2 subjects: H5
4 subjects: O6/H7
English or Irish: O6/H7
Mathematics: O6/H7

DURATION
3 years

POINTS 2019
Min: 307
Range: 307 - 577

COURSE LEADER
Paul Treacy, BA, ACA
Tel: 051 845606
Email: ptreacy@wit.ie

What is Accounting?

Accounting is a stimulating and challenging business function concerned with the collection, analysis and reporting of information to the owners and managers of a business and other interested parties such as lending institutions and Government.

Course Aims

The BA (Hons) in Accounting is a three year degree course that prepares students mainly for careers in accountancy, but can also provide graduates with opportunities in financial services and teaching.

Special Features

- The course attracts extensive exemptions from Chartered Accountants Ireland (ACA), the Association of Chartered Certified Accountants (ACCA), the Chartered Institute of Management Accountants (CIMA), and Certified Public Accountants (CPA) Ireland.
- The course has a number of awards attached to it including the PricewaterhouseCoopers Scholarship, the CPA (Ireland) prize for Financial Accounting and the CIMA prize for Management Accounting.

Career Opportunities

Graduates of the BA (Hons) in Accounting may work in business or as trainee accountants or teachers following further study.

To qualify as a professional accountant the graduate may opt to study for the accountancy examinations of one of the main accounting bodies while working in the accounting area. To qualify as a business teacher graduates must complete a Professional Masters of Education.

Flexible Year
Students are encouraged to avail of an additional flexible year in year 3 which allows our students to either work in the financial services industry or to study overseas in a partner college. Students who elect to take the flexible year will graduate after four years with the BA (Hons) in Accounting (Practice).

Follow on Study

Master of Business in Accounting, Master of Business or other equivalent masters courses in Ireland or abroad.

COURSE OUTLINE

YEAR ONE

SEMESTER ONE
- Introduction to Financial Accounting 1
- Costing 1
- Microeconomics 1
- Statistics and Mathematics
- Introduction to Management
- Professional Written Communication

SEMESTER TWO
- Introduction to Financial Accounting 2
- Management Accounting Techniques
- Microeconomics 2
- IT Skills for Accountants
- Organisational Behaviour
- HRM in a Business Environment

YEAR TWO

SEMESTER THREE
- Intermediate Financial Reporting 1
- Intermediate Managment Accounting 1
- Accounting Information System Skills
- Law for Accountants
- Macroeconomy
- Professional Oral Communication

SEMESTER FOUR
- Intermediate Financial Reporting 2
- Intermediate Managment Accounting 2
- Governance & Control
- Company Law for Accountants
- Global Economy
- Financial Services Marketing

YEAR THREE

SEMESTER FIVE
- Advanced Management Accounting
- Business Finance
- Business Strategy
- Professional Ethics for Accountants
- Income Tax

CHOOSE 1
- Auditing 1
- Marketing Environment Analysis
- Fund Accounting
- Islamic Finance
- Supply Chain Management

YEAR THREE

SEMESTER SIX
- Advanced Financial Accounting
- Applied Finance
- International Corporate Strategy
- ERP System Skills
- Taxation

CHOOSE 1
- Auditing 2
- Managing the Marketing Mix
- Company Law 2 for Accountants
- Business Project Management
- Economics/Finance Research Project

STUDENT VIEW

"I would recommend the BA (Hons) in Accounting to anyone who wants to work in accounting. I've come out with my CAP 1 examinations already complete and have only two more years of study which is a real advantage. I feel really lucky to have studied in WIT and my friends studying in different colleges are amazed at the relationship I have with my lecturers. It's the benefit of smaller classes - you know all your lecturers and importantly, they know you."

Gemma Heaslip

BACHELOR OF ARTS (HONS) IN

MARKETING & DIGITAL MEDIA

APPLY CAO **WD193**

wit.ie/wd193

LEVEL **8**

ENTRY REQUIREMENTS
2 subjects: H5
4 subjects: O6/H7
English or Irish: O6/H7
Mathematics: O6/H7

DURATION
4 years

POINTS 2019
Min: 290
Range: 290 - 440

COURSE LEADER
Denis Harris, BComm, MBA
Tel: 051 845617
Email: dharris@wit.ie

What is Marketing and Digital Media?

Marketing is responsible for customer relationships and communicating with customers. Marketing involves researching customer needs, communicating customer insight into new products and services, and promoting, branding and advertising the organisation to its customers and wider public.

Marketing's interaction with a business' customers and public has shifted into the digital media space where business communicate directly to customers using, for example, mobile phones, websites, social media, email. Marketing and digital media encompasses all platforms that connect organisations to customers and, in turn, translate customer information via marketing analytics into new knowledge for the business to help it further meet customers' needs.

Course Aims

The BA (Hons) in Marketing & Digital Media is a four year degree course, which prepares students for employment in marketing in the digital age. The first two semesters consist of general marketing and business subjects and then students study the specific marketing, advertising & media subjects from semesters 3-8.

Career Opportunities

- Advertising
- Digital Media (Managing company website/social media/ online promotions)
- Marketing Research
- Brand Management
- Sports Sponsorship
- Sales & Purchasing
- Public Relations

Work Placement or Study Abroad

The work placement or study abroad takes place in Semester 7. It allows students to gain real experience of working in a marketing environment.

Companies who have been involved in the placements include: Coca Cola, Aer Lingus, Ben Sherman, Bulmers (C+C), Bank of Ireland and advertising agencies such as Rothco, Cawley Nea and Youngs. Students can also opt to study abroad in one of WIT's partner institutions in Europe, Canada or the USA.

Follow on Study

Master of Business in Marketing

COURSE OUTLINE

YEAR ONE

SEMESTER ONE
- Market Pricing
- Digital Media 1
- Principles of Marketing
- Introduction to Statistics
- IT & Communication Skills 1
- Introduction to Management

SEMESTER TWO
- Macroeconomic Environment
- IT & Communication Skills 2
- Marketing Mix
- Marketing Communications
- Social Media Technologies
- Organisational Behaviour

YEAR TWO

SEMESTER THREE
- Market Research Theory
- Direct and Database Marketing
- Introduction to Business Law
- Digital Media 2
- Consumer Psychology
- Applied Services Marketing

SEMESTER FOUR
- Accounting for Business
- Print Media Advertising
- Commercial Law
- Consumer Environment
- Marketing Research Practice
- Introduction to Advertising

YEAR THREE

SEMESTER FIVE
- Financial Management
- Advertising Message & Media Planning
- Digital Creativity & Design
- Web Development
- Customer Relationship Management
- CHOOSE 1: Sports Marketing / Marketing/Advertising Project 1

SEMESTER SIX
- Strategic Public Relations
- International Marketing
- Services Marketing Theory
- Web Design
- Digital Media Advertising
- CHOOSE 1: Professional Selling Skills / Marketing/Advertising Project 1 / Marketing/Advertising Project 2

YEAR FOUR

SEMESTER SEVEN
- Work Placement 1
- Work Placement 1 Log Book
- International Placement 1

SEMESTER EIGHT
- Marketing Challenge
- Digital Marketing
- Strategic Brand Management
- Global Strategic Marketing
- SEO & Analytics
- CHOOSE 1: Social & Ethical Marketing / Small Business Management

STUDENT VIEW

"I chose to study Marketing and Digital Media because I have always had an interest in Business but I prefer the creative side of business. WIT also has one of the most recognised business schools in the country so I was very lucky to have it on my doorstep. I am a very out-going person and the marketing and digital media course gave me the opportunities to give presentations and use my personality in my career."

Neasa O'Brien - Marketing Student of the Year

BACHELOR OF ARTS (HONS) IN

INTERNATIONAL BUSINESS

APPLY CAO **WD134**

wit.ie/wd134

LEVEL **8**

ENTRY REQUIREMENTS
2 subjects: H5
4 subjects: O6/H7
English or Irish: O6/H7
Mathematics: O6/H7

DURATION
4 years

POINTS 2019
Min: 289
Range: 289 - 528

COURSE LEADER
James Redmond,
BBS, MBS, ACMA
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What is International Business?

International Business involves a wide variety of activities, for example, exporting products and services, dealing with foreign suppliers, operating a factory in a foreign country, marketing a product across Europe, even managing multicultural workforces.

Course Aims

An important part of success in international business is an ability to interact effectively with people from other cultures and societies. The BA (Hons) in International Business is a four-year programme that prepares students to live and work in an international and multicultural environment. The course provides a broad business education as well as building the knowledge, skills and sensitivities to effectively work in our multicultural world.

International Placement

In third year every student will spend one year on placement, in a foreign country. The student will generally study at one of the School of Business' Partner Institutes. The student may also complete an international work placement. The School has partner institutes around Europe, and in the USA, Canada, China and India.

Special Features

- The student group is multicultural, making the classroom a living cultural experience.
- Depending on the student's background, there are several languages options available, although studying a language is not mandatory.
- Those students whose first language is not English may take English as a subject throughout the course.

Double Degree
The BA (Hons) in International Business has recently co-developed a Double Degree (Bachelor of Business Administration) with Munich UAS in Germany. A student may apply to complete the Double Degree while in second year of the course and would then spend their International Placement (studying or working) in Munich, before returning to complete their final year in WIT.

Career Opportunities

- Graduates join larger firms at junior management level, and go on to work in several international business functions, including: human resources, export departments, international sales or purchasing & logistics.
- Graduates are very suited to the demands of small and medium-sized enterprises, and to the varied nature of work required of a manager in a smaller firm.

Follow on Study

Master of Business in Internationalisation
Master of Business, Master by Research

COURSE OUTLINE

YEAR ONE

SEMESTER ONE
- Introduction to International Business
- Introduction to Management
- Introduction to Statistics
- Economics of the Market
- IT & Communication Skills 1
- CHOOSE 1: Introduction to European Societies / Language

SEMESTER TWO
- International Business
- Organisational Behaviour
- Business and Financial Maths
- Macroeconomic Environment
- IT & Communication Skills 2
- CHOOSE 1: Introduction to World Societies / Language

YEAR TWO

SEMESTER THREE
- European Union Introduction
- Introducing Human Resource Management
- Introduction to Marketing
- Introduction to Business Law
- Financial Accounting for Non-Specialists
- CHOOSE 1: Career Management / Who are the Irish? / Language

SEMESTER FOUR
- Intercultural Business Context
- Integrated Marketing Communications
- Human Resource Management
- International Trade Law
- Management Decision Making
- CHOOSE 1: Global Economy / Management Skills / Language

YEAR THREE

SEMESTER FIVE
- International Placement 1

SEMESTER SIX
- International Placement 2

YEAR FOUR

SEMESTER SEVEN
- Business Strategy
- International Institutions
- New Business Creation
- Supply Chain Management
- International Finance
- CHOOSE 1: Digital Economy / Leadership & Problem Solving / Project Minor Dissertation 1 / International Marketing / Language

YEAR FOUR

SEMESTER EIGHT
- International Business Sales
- International Political Economy
- Global Business Ethics
- International Human Resource Management
- International Corporate Strategy
- CHOOSE 1: Managing Change & Conflict / Small Business Management / Project Minor Dissertation 2 / ERP System Skills / Language

*Language = French/German/Spanish/Italian/English as a foreign language

STUDENT VIEW

"The International Business course really stood out from the others. People my age grew up as the world was becoming more globalized and WIT introduced a course that really reflected the modern day business world. The biggest carrot for me was the opportunity to study or work during my third year. I spent my third year living in Boston interning with an Irish/American company called RelateCare."

Valerie O'Brien

BACHELOR OF

BUSINESS

APPLY CAO

WD159

wit.ie/wd159

LEVEL

7

ENTRY REQUIREMENTS
5 subjects: O6/H7
English or Irish: O6/H7
Mathematics: O6/H7

DURATION
3 years

POINTS 2019
Min: 200
Range: 200 - 613

COURSE LEADER
Fiona Ryan,
BBS (Economics & Finance), MBSI
Tel: 051 834085
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Course Aims

The Bachelor of Business is a three year degree that provides students with specialised knowledge across a wide range of business areas. The degree focuses on developing student knowledge in critical areas of business studies in conjunction with developing interpersonal and communication skills that are necessary in today's business environment. Students who graduate with a Bachelor of Business degree will have a range of skills and competencies that will allow them to make a meaningful contribution in the workplace.

Career Opportunities

Graduates of the Bachelor of Business will find work in

- Trainee management
- Junior management in any of the main business functions and across all industry and services sectors

Professional Body Exemptions

Completion of this course entitles students to the following professional body exemptions:

- Examinations F1, F2, and F3 of the professional examinations of the Association of Chartered Certified Accountants (ACCA).
- Examinations C01 to C05 inclusive of the Chartered Institute of Management Accountants (CIMA).

Special Features

An exciting feature of this programme is that in year 3 semester 5 students will undertake to study three 10 credit modules. Each module will be highly interactive and participative and will endeavour to prepare students for the dynamic and ever-changing world of the 21st century workplace.

In year 3 semester 6 students will have the opportunity to undertake a work-placement (internship) worth 20 credits. Students who choose this option will also be required to take one 10 credit module on Digital Marketing and Social Media. Students who choose not to undertake work placement will complete alternative modules as specified below.

Follow on Study

Honours degree courses within the School of Business, in particular the Level 8 Bachelor of Business (Hons) (Year 4).

COURSE OUTLINE

YEAR ONE

SEMESTER ONE
- Communication Skills 1
- Communications and Technology 1
- Fundamentals of Accounting 1
- Introductory Microeconomics 1
- Management
- Maths for Business

SEMESTER TWO
- Communication Skills 2
- Communications and Technology 2
- Fundamentals of Accounting 2
- Introductory Macroeconomics 1
- Introduction to Organisational Behaviour
- Statistics for Business

YEAR TWO

SEMESTER THREE
- Enterprise Skills
- Fundamentals of Marketing
- Introduction to Human Resource Management
- Introductory Microeconomics 2
- Law 1
- Management Accounting 1

SEMESTER FOUR
- Human Resource Management in Practice
- Introductory Macroeconomics 2
- Management Accounting 2
- Marketing Mix Decisions
- Spreadsheets and Databases
- CHOOSE 1: Employability Skills / Law 2

YEAR THREE

SEMESTER FIVE
- Business Ethics and Contemporary Management
- Financial Planning for Business Managers
- Economics for Business Managers

SEMESTER SIX
- Digital Marketing and Social Media

CHOOSE EITHER:
- New Business Design
- Applied Work, Life and Professional Skills

OR
- Work Placement

STUDENT VIEW

"I choose the level 7 Bachelor of Business degree because I liked having the possibility of following on my studies at the end of year three. I decided to enter the workforce once my three years of studying was complete as I knew I could re-enter the world of education at any stage. I am now working as a department manager for a major retail store. I have used much of what I have learned in WIT to reach this stage in my career."

Leah McCormick

BACHELOR OF SCIENCE IN

RETAIL MANAGEMENT

APPLY CAO **WD184**

wit.ie/wd184

LEVEL **7**

ENTRY REQUIREMENTS
5 subjects: O6/H7
English or Irish: O6/H7
Mathematics: O6/H7

DURATION
3 years

POINTS 2019
Min: 190
Range: 190 - 441

COURSE LEADER
Fiona Fleming,
MMII, MBA, BA, HDip in Ed.
Email: ffleming@wit.ie
Tel: 051 845618

What is Retail Management?

Retailing is a global, growth industry that provides challenging and rewarding career opportunities. Retail management is the achievement of company goals through effective and efficient planning, leadership, organisation and control of internal resources.

Course Aims

The BSc in Retail Management is a full-time three year degree course, combining class-based training with practical assignments. Throughout the course, students study general business theory and practice along with key areas relating to retail management, specifically: Retail Marketing, Brand and Category Management, International Retailing and Sales and Merchandising.

Special Features

- Our BSc in Retail Management programme is the ideal course of study for any individual who wishes to pursue a career in the retail sector.
- The applied nature of the programme means you undertake tasks and assignments similar to those worked on in the retail sector.
- The work placement option in semester 5 allows you to gain real experience working in a retail environment. Each student will be required to keep a log of his or her work-related experience and produce an applied research project.
- The study abroad option in semester 5 gives students an opportunity to spend the semester studying in one of our partner colleges in Europe, North America or Canada.

Career Opportunities

- Graduates often pursue lead, supervisory, or management positions at the retail store level, or specialist/analyst positions within a retail department or corporate headquarters such as: Category Management, Buying and Merchandising, Key Account Management and Sales/Marketing positions
- General Retail Management
- Business ownership

Follow on Study

Bachelor of Business (Hons) (Year 4)

COURSE OUTLINE

YEAR ONE

SEMESTER ONE
- Applied Retailing
- Communication Skills 1
- Introductory Microeconomics 1
- Maths for Business
- Communication & Technology 1
- Managing the Retail Organisation

SEMESTER TWO
- Introductory Macroeconomics 1
- Communication Skills 2
- Retail Marketing
- Communication & Technology 2
- Retail Consumer
- Statistics for Business

YEAR TWO

SEMESTER THREE
- Accounting for Retailers
- Introduction to Human Resource Management
- Law 1
- Online Retailing
- Sales & Merchandising
- Enterprise Skills

SEMESTER FOUR
- Human Resource Management in Practice
- Law 2
- Brand and Category Management
- Applied Marketing Research
- Employability Skills
- Marketing Mix Decisions

YEAR THREE

SEMESTER FIVE

CHOOSE 1
- Retail Work Placement & Log
- Retail Study Abroad & Log

SEMESTER SIX
- International Retailing
- Customer Relationship Management
- Leadership Skills for Managers
- Retail Promotion
- Retail Services Management

CHOOSE 1
- Fashion Retailing
- Finance for Retailers
- Retail Entrepreneurship

STUDENT VIEW

"I chose the Retail Management course at WIT which has a great name and it would only take me three years to complete, which isn't a long time commitment compared to other courses. I had the option to study this course in Dublin but WIT made the most sense as the majority of my friends were already studying there, it's closer to home and more practical in the long run. The college was also more appealing as it seemed more welcoming and close knit - in WIT you're not just a number, you are close to your lecturers who are always on hand to help and your opinion matters as I found out through my role as Class Rep for the last 2 years. "

Denise Brophy

HIGHER CERTIFICATE IN

BUSINESS

APPLY CAO

WD003

wit.ie/wd003

LEVEL

6

ENTRY REQUIREMENTS
5 subjects: O6/H7
English or Irish: O6/H7
Mathematics: O6/H7

DURATION
2 years

POINTS 2019
Min: AQA*
Range: AQA - 554

*AQA = All qualified applicants

COURSE LEADER
Sinéad O'Keeffe,
Tel: 051 845622
Email: sokeeffe@wit.ie

Course Aims

The Higher Certificate in Business offers a wide range of business-related subjects including Accounting, Economics, Management, Marketing and Human Resource Management. A course in Business Studies provides students with the essential skills and practical knowledge required to facilitate success in any business situation.

The Higher Certificate in Business Studies is a flexible two year course culminating in a widely recognised and highly regarded qualification. On successful completion of this course, students will have gained relevant business skills that they can apply in their future career. Students will also have the opportunity to transfer into other Level 7 and 8 programmes in the School of Business.

Special Features

- The applied nature of the teaching affords you the opportunity to put your learning into practice. This is done through the use of case studies from real businesses and through the examination of real business problems.
- Completion of this course entitles students to the following professional body exemptions:
  - Examinations F1 and F3 of the professional examinations of the Association of Chartered Certified Accountants (ACCA).
  - Examinations C01 to C05 inclusive of the Chartered Institute of Management Accountants (CIMA).

Career Opportunities

Graduates of the Higher Certificate in Business will find work in:

- Trainee management
- Junior management in any of the main business functions and across all industry and services sectors
- The qualification also allows students to progress to other courses

Follow on Study

Graduates with a Higher Certificate in Business can transfer to degree courses in the School of Business at WIT including:

- Bachelor of Business (Hons) - Year 3
- Bachelor of Business - Year 3
- BA (Hons) in Accounting - Year 2

Cork Road Campus

COURSE OUTLINE

YEAR ONE

SEMESTER ONE	SEMESTER TWO
Communication Skills 1	Communication Skills 2
Communications and Technology 1	Communications and Technology 2
Fundamentals of Accounting 1	Fundamentals of Accounting 2
Introductory Microeconomics 1	Introductory Macroeconomics 1
Management	Introduction to Organisational Behaviour
Maths for Business	Statistics for Business

YEAR TWO

SEMESTER THREE	SEMESTER FOUR
Enterprise Skills	Human Resource Management in Practice
Fundamentals of Marketing	Introductory Macroeconomics 2
Introduction to HRM	Management Accounting 2
Introductory Microeconomics 2	Marketing Mix Decisions
Law 1	Spreadsheets and Databases
Management Accounting 1	CHOOSE 1: Employability Skills / Law 2

STUDENT VIEW

"I chose to study the Higher Certificate in Business at WIT as it is renowned for its excellent School of Business. I felt the Higher Certificate in Business was the right choice for me as it is a short course with no long-term commitment, but it also gives you a broad business understanding through all its modules. I felt the smaller class size is a benefit which allows everyone to get to know each other and build a relationship as a class and with the lecturers. The lecturers at WIT are very dedicated and engage with each student. This course gives you the knowledge to start a career in business or as stepping stone to continue further study in WIT."

Emma Tracey

SCHOOL OF ENGINEERING

www.wit.ie/engineering

COURSE OPTIONS & PROGRESSION CHART

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

SCHOOL OF ENGINEERING

Head: Dr Ken Thomas, BE, MA, PhD, CEng, MIEI, EurIng

Adminstrator: Claire Fitzpatrick
Tel: 051 306160
Email: cmfitzpatrick@wit.ie

Secretary: Geraldine Hallissey
Tel: 051 845568
Email: ghallissey@wit.ie

DEPT. OF ARCHITECTURE

Head: Máire Henry, B. Arch, MBA, MRIAI

Secretary: Emer Quinn
Tel: 051 302035
Email: equinn@wit.ie

DEPT. OF THE BUILT ENVIRONMENT

Head: Dr Derek Sinnott, BE, MSc, PhD, MIEI

Secretary: Alison Ryan
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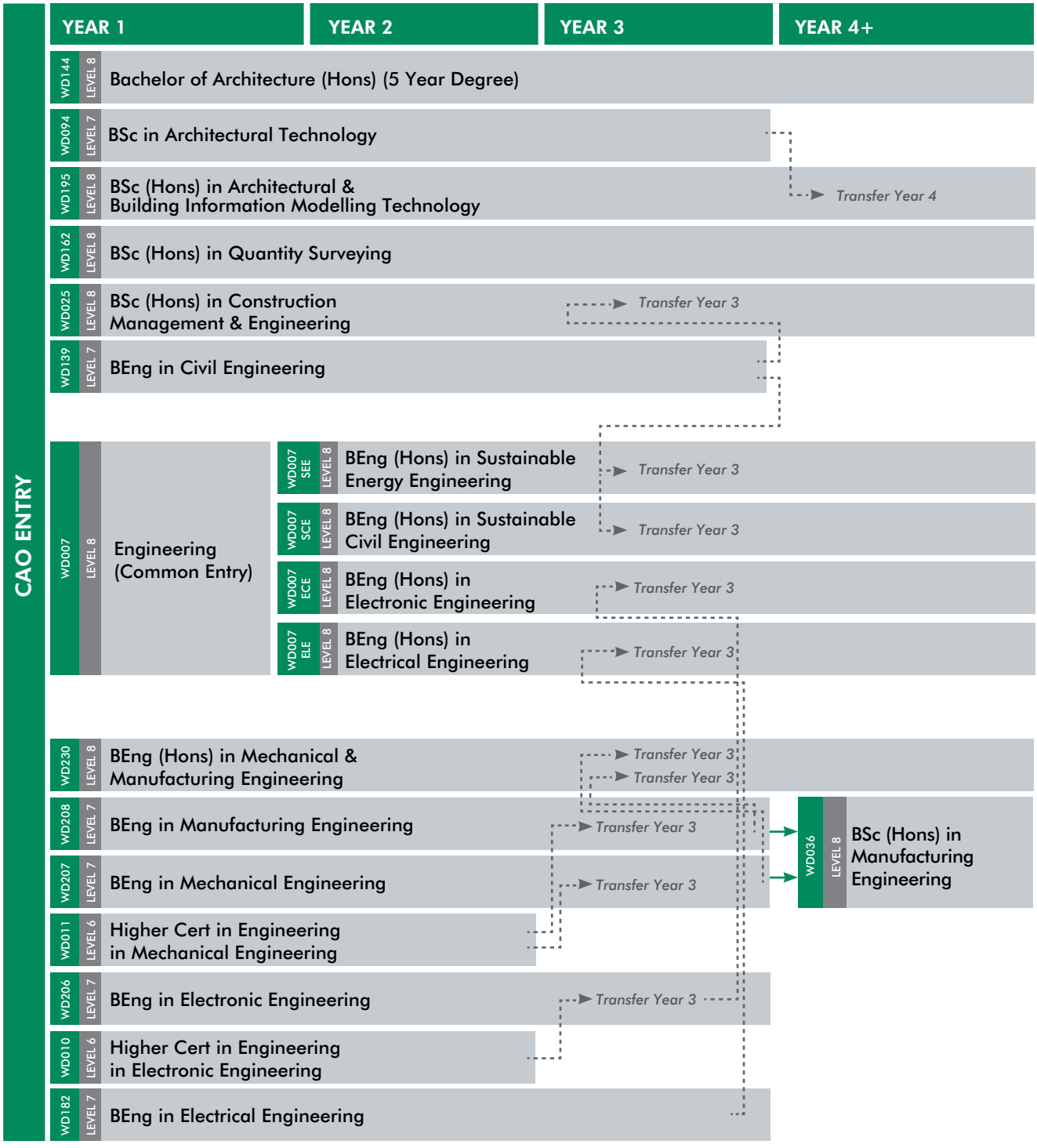
DEPT. OF ENGINEERING TECHNOLOGY

Head: Albert Byrne, BSc, MSc

Secretary: Catriona Carroll
Tel: 051 302613
Email: cbcarroll@wit.ie

ENGINEERING AT WIT

SCHOOL OF ENGINEERING



Advanced Entry: Students who have completed all or part of a third level qualification may be eligible for entry into years other than year 1 of our courses. See www.wit.ie/advancedentry

www.wit.ie/engineering

ENGINEERING
(Common entry)

APPLY CAO
WD007
wit.ie/wd007

LEVEL
8

ENTRY REQUIREMENTS
2 subjects: H5
4 subjects: O6/H7
English or Irish: O6/H7
Mathematics: O2/H6

DURATION
4 years

POINTS 2019
Min: 287
Range: 287 - 555

COURSE CONTACT
School of Engineering
Email: engschool@wit.ie
Tel: 051 302035

What is Engineering?
There are many types of Engineering, all of which are focussed on making a better world. Studying Engineering can lead to exciting career prospects and top salaries across a wide range of industries.

Engineers are shaping the future by applying their skills to almost everything you can think of, from medical to transport, sustainable energy to food production, robotics to construction, clean water to 3D printing. There really is no limit to what Engineers can do.

Engineering is the power behind innovation and new product developments. Engineers identify a problem, and come up with a solution – often creating something completely new in the process.

Take time to choose
The Common Engineering Honours Entry Scheme is for students interested in Engineering as a career, but who may be unsure of which discipline to follow. WD007 is the gateway to four Bachelor of Engineering (Hons) degree options.

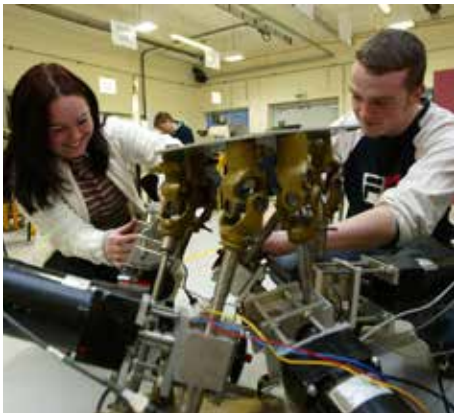
Semester One
In semester 1, students explore each of the different Engineering disciplines via the 'Introduction to Engineering' module which includes exciting mini-projects completed in groups. There will also be a range of presentations from external Professional Engineers explaining how each discipline makes a positive impact on the world.

The other modules in semester 1 concern Maths, Science and Critical Thinking skills, all fundamental to Engineering disciplines. These are 'Engineering Mathematics 1', 'Engineering Computing', 'Physics 1' and 'Engineering Professionalism'. There are also additional tutorials for Maths to support students and help explain the link between the different Maths topics and the Engineering disciplines.

Student-Mentor Meetings
Each student will meet their mentor on a weekly basis throughout the first semester. These meetings offer the opportunity to ask detailed questions and get individual guidance as to which discipline they should pursue.

Specialising
Students start to specialise in semester 2 of Year 1 and further specialise in the next 3 years.





ENGINEERING (Common Entry) DEGREE OPTIONS

COMMON ENTRY	DEGREE OPTIONS	FOLLOW ON STUDY
WD007 LEVEL 8 Engineering (Common Entry)	WD007 SEE LEVEL 8 — BEng (Hons) in Sustainable Energy Engineering	Postgraduate study at WIT MEng/MSc/PhD
	WD007 SCE LEVEL 8 — BEng (Hons) in Sustainable Civil Engineering	
	WD007 ECE LEVEL 8 — BEng (Hons) in Electronic Engineering	
	WD007 ELE LEVEL 8 — BEng (Hons) in Electrical Engineering	

BACHELOR OF ENGINEERING (HONS) IN

SUSTAINABLE ENERGY ENGINEERING

WD007 SEE

DEGREE OPTION
FROM WD007

wit.ie/wd007SEE

LEVEL
8

ENTRY ROUTE

WD007: Engineering (Common entry)

DURATION
4 years

COURSE LEADER
Colm Tynan
Email: ctynan@wit.ie

Course Aims

The BEng (Hons) in Sustainable Energy Engineering course has been designed to address the issues causing climate change. Students will learn how to engineer sustainable solutions to ensure our planet is safe for generations to come. The course explores areas such as low or zero carbon power generation technologies, sustainable low energy building design, energy analysis, building services systems, energy recovery and energy management. Students also learn how to use a number software packages that will allow them to model and analyse different energy systems.

Industrial Placement
In year three, students go on industrial placement for up to six months. This gives the students a taste of what professional practice is all about, how the industry operates and how theoretical knowledge is applied in practice. It also generates industrial links between WIT and the engineering industry in Ireland and abroad.

Career Opportunities

The course offers graduates an opportunity to work in a very exciting, dynamic and buoyant engineering sector. Climate change legislation is now forcing every organisation to actively reduce their energy consumption. They must also reduce their reliance on fossil fuels and generate some of their energy using low carbon technologies.

Our graduates are in high demand and may find employment as:
- A specialist in power generation, energy storage and energy recovery
- An energy systems/building services systems design consultant
- A specialist low energy building design professional
- An energy manager/ facilities manager for a large company
- A building energy assessor
- An expert in BIM and energy systems simulation
- A site engineer responsible for the installation of all energy systems

Transferring Students

Students who pursue other engineering courses at WIT, or another third level institution, at ordinary degree level or equivalent, may apply to transfer onto this course at the third year stage.

Follow on Study

Taught and research postgraduate programmes in WIT:
- MSc in Sustainable Energy Engineering
- MSc in Innovative Technology
- MSc in Construction Project Management.

Both programmes have been designed to meet the accreditation standards of Engineers Ireland at chartered level.

COURSE OUTLINE

YEAR ONE

SEMESTER ONE
- Introduction to Engineering
- Engineering Computing
- Engineering Maths 1
- Engineering Professionalism
- Engineering Physics 1

SEMESTER TWO
- BIM 1
- Engineering Maths 2
- Engineering Physics 2
- Management for Engineers
- Mechanics 1
- Land Surveying & Sustainable Energy

YEAR TWO

SEMESTER THREE
- BIM 2 – Mechanical Services Design 1
- Engineering Maths 3
- Heat Transfers in Buildings
- Mechanical Building Services
- Sustainable Heat & Power Generation
- Engineering Finance

SEMESTER FOUR
- BIM 3 – Mechanical Services Design 2
- Thermodynamics
- Electrical Services Design
- Engineering Maths 4
- Materials for Sustainable Design
- Intro to Project Management

YEAR THREE

SEMESTER FIVE
- Computer Programming for Energy Engineers
- Fluid Mechanics
- Law for Engineers
- Construction Health & Safety
- 2 Electives

SEMESTER SIX
- Dynamic Thermal Simulation
- Energy Design Project 1
- Mathematical Modelling & Statistics
- Energy Systems Engineering
- Work Placement

YEAR FOUR

SEMESTER SEVEN
- Dissertation 1
- Control of Energy Systems
- Electrical Power Generation & Transmission
- BIM 4 - Building Services Application
- 2 Electives

SEMESTER EIGHT
- Dissertation 2
- Energy Design Project 2
- Industrial HVAC Systems
- Sustainable Energy Recovery & Utilisation
- 2 Electives

Course outline is subject to change.

STUDENT VIEW

"Getting to go on placement on such a big, multinational company like Bausch & Lomb was a great experience. I got to see a lot of the things I had learned about in class and in textbooks working right in front of me. It will be of great benefit for me heading into my future career. I gained great experience from this and it is a great benefit that placement is included in many WIT courses."

Lisa Martin

BACHELOR OF ENGINEERING (HONS) IN

SUSTAINABLE CIVIL ENGINEERING

WD007 SCE

DEGREE OPTION
FROM WD007

wit.ie/wd007SCE

LEVEL
8

ENTRY ROUTE

WD007: Engineering (Common entry)

DURATION
4 years

COURSE LEADER
Tomas O'Donoghe
Email: todonoghe@wit.ie

What is Sustainable Civil Engineering?

Civil Engineers are increasingly working to achieve safe and sustainable development in a cost-effective, environmentally protective and socially responsible manner. They utilise engineering principles to enhance the built and natural environment, and contribute to environmental protection and remediation, water conservation, environmental biotechnology, materials and infrastructure development. The completion of a civil engineering project involves the solution of technical problems from which the cooperation among professionals of many different disciplines is needed. From conceptual design to forensic study of failed performance, civil engineers need the mathematical, scientific and computational tools to solve problems associated with developing and sustaining a civilised community. Central to the current and future civil engineering profession is the core issue of 'sustainability'.

Course Aims

This honours degree course has been designed to produce graduates who can successfully operate as civil engineers in the future Irish and global engineering and construction industry. The overall context to the course is the key theme of 'sustainability'. The graduates will be conscious of the vital influence that civil engineers will increasingly have on achieving the various sustainability targets at national, EU and international levels.

Industrial Placement
In year three, students go on industrial placement for up to six months. This gives the students a taste of what professional practice is all about, how the industry operates and how theoretical knowledge is applied in practice. It also generates industrial links between WIT and the engineering industry in Ireland and abroad.

Career Opportunities

Having a civil engineering qualification that has sustainability as its core theme should enable graduates to undertake a variety of design and construction roles in the future civil engineering industry.

Follow on Study

Levels 9 and 10 and Continuous Professional Development (CPD) activities including courses such as:

- MSc in Construction Project Management
- MSc in Sustainable Energy Engineering

Both courses meet the Engineers Ireland education standard for Chartered Engineer. Alternatives also include MEng/PhD by research.

COURSE OUTLINE

YEAR ONE

SEMESTER ONE
- Introduction to Engineering
- Engineering Computing
- Engineering Maths 1
- Engineering Professionalism
- Engineering Physics 1

SEMESTER TWO
- BIM 1
- Engineering Maths 2
- Engineering Physics 2
- Management for Engineers
- Mechanics 1
- Land Surveying & Sustainable Energy

YEAR TWO

SEMESTER THREE
- Construction Health & Safety
- Construction Technology
- Engineering Maths 3
- Reinforced Concrete Design
- Site Works Design
- BIM 2 and Surveying

SEMESTER FOUR
- Engineering Maths 4
- Environmental Engineering 1
- Fluid Mechanics
- Intro to Project Management
- Structural Analysis 1
- Timber & Steel Design

YEAR THREE

SEMESTER FIVE
- Civil Engineering Maths
- Construction Technology Systems
- Geotechnical Engineering 1
- Hydraulics
- Structural Analysis 2

CHOOSE 1
- Measurement & Costing
- Mechanics of Materials
- Sustainable Heat & Power Generation Technologies

SEMESTER SIX

Placement

CHOOSE 3
- Advanced Surveying
- Mathematical Modelling & Statistics
- Energy Performance of Buildings 2
- Highway Engineering

YEAR FOUR

SEMESTER SEVEN
- Dissertation 1
- Geotechnical Engineering 2
- Hydrology for Sustainability
- Project & Corporate Management
- Structural Analysis 3 & Design

CHOOSE 1
- Engineering Finance
- Law for Engineers
- Services Technology & Integration

SEMESTER EIGHT
- Dissertation 2
- Design of Structures
- Environmental Engineering 2
- Innovative Technology
- Professional Practice

CHOOSE 1
- Sustainable Energy
- Tendering & Estimating

Course outline is subject to change.

STUDENT VIEW

"The BEng (Hons) in Sustainable Civil Engineering covered areas such as sustainable energy, heat and power generation technologies, energy policy and legislation as well as studying Civil Engineering subjects. As part of my course I got an opportunity to go out on Industrial Placement for up to six months. This gave me a taste of what professional practice is all about, how the industry operates and how what I learnt in the class is applied and works in practice. It also gave me good industry links and contacts."

Eoin Dunphy

BACHELOR OF ENGINEERING (HONS) IN

ELECTRONIC ENGINEERING

WD007 ECE

DEGREE OPTION
FROM WD007

wit.ie/wd007ECE

LEVEL
8

ENTRY ROUTE

WD007: Engineering (Common entry)

DURATION
4 years

COURSE LEADER
Fergal O'Hanlon
Email: fohanlon@wit.ie

Course Aims

The BEng (Hons) in Electronic Engineering is a four year degree course which prepares students for employment in the electronics industry. This course is recognised by Engineers Ireland (EI).

Career Opportunities

Graduates of the BEng (Hons) in Electronic Engineering may find employment in the following areas:

- Electronics Design
- Control Engineering
- Research & Development
- Test and Measurement
- Technical Support
- Electronic Sales

Follow on Study

- MEng in Electronic Engineering
- Research Opportunities
- Some recent graduates are pursuing Masters and PhD level research in Ireland and abroad.

Industrial Studies and Placement

In Year 3 placement occurs in an electronics company from mid-February to mid-August. Prior to going on placement, there is an intensive course on Health & Safety, Resource Management and Ethics in Engineering.

Companies which have taken students in the past include ABB, Abbott, Analog Devices, Bausch & Lomb, Braun, Datapac, EMC, Ericsson, ESB, GEA Automation, Honeywell, Howmedica, Intel, Janssen Pharmaceutical, Kromberg & Schubert, Lasercut Engineering, Measurex, Merck Sharpe & Dohme, Sanmina - SCI and Schering Plough.

COURSE OUTLINE

YEAR ONE

SEMESTER ONE
- Introduction to Engineering
- Engineering Computing
- Engineering Maths 1
- Engineering Professionalism
- Engineering Physics 1

SEMESTER TWO
- Analogue Electronic Devices
- DC Circuit Theory
- Introduction to Programming
- Introduction to Electronic & Electrical Technology
- Engineering Maths 2
- Engineering Physics 2

YEAR TWO

SEMESTER THREE
- Advanced Programming for Robotics
- Analogue Electronic Circuits 1
- Finite State Machines
- Maths Ordinary Differential Equations
- Intro Telecoms Theory
- AC Circuit Theory

SEMESTER FOUR
- Analogue Elecrtonic Circuits 2
- Digital Systems
- Electric Circuit Theory
- Maths Advanced Calculus
- Micro Electronics
- Object Orientated Programming for Microcontrollers

YEAR THREE

SEMESTER FIVE
- Advanced Engineering Maths
- Analogue Control
- Embedded Systems Scripting
- Mobile Wireless Telecoms 1
- Semiconductor Fundamentals
- CHOOSE 1: Analogue Circuit Designs / Electromagnetic Fields & Waves

SEMESTER SIX
- **Industrial Studies & Placement**
- Enterprise Studies
- Research Methods

YEAR FOUR

SEMESTER SEVEN
- Embedded Systems Architecture & Hardware
- Mobile Wireless Telecoms 2
- Project Specification
- Theory & Applications of DSP
- CHOOSE 1: Application of the Internet of Things / Data Communications / Digital Communication Analysis / Microelectronic Circuit Design

SEMESTER EIGHT
- Project Implementation
- Embedded Firmware
- Real Time DSP Implementation
- CHOOSE 1: Semiconductor Devices / Applied Embedded OSs / Digital Control / Embedded System on Chip Design

Course outline is subject to change.

STUDENT VIEW

"I chose to study the BEng (Hons) in Electronic Engineering because I wanted to find something that was going to keep the brain active and electronics is the way forward. While studying the course I was part of the team who created the Robocar, that was a big challenge and my favourite part of the year. I was a part of the Braking Team. I'm also a student ambassador at WIT. My own student ambassador was fantastic and really helped me settle in, so it's great to be able to do the same for new students."

Mark McManus

BACHELOR OF ENGINEERING (HONS) IN

ELECTRICAL ENGINEERING

WD007 ELE

DEGREE OPTION
FROM WD007

wit.ie/wd007ELE

LEVEL
8

ENTRY ROUTE

WD007: Engineering (Common entry)

DURATION
4 years

COURSE LEADER
Siobhan Wall
Email: swall@wit.ie

Course Aims

The primary aim of the BEng (Hons) in Electrical Engineering is to produce graduates of high calibre who possess a thorough knowledge of scientific principles and engineering practice and an appreciation of the work and business environment in which the professional engineer must work.

The programme's core content has a strong emphasis on nurturing an ability to foster analytical thinking and reasoning. A six month placement helps give the student a context for some of the material already gained and will provide a stimulus in the final year of learning.

The course has five module groups:

Control Engineering: This group includes Analog Control, Digital control and Robotics and Vision. These modules are also heavily supported by the programming modules HLL programming and Software applications and Algorithms.

Electrical Systems: The area of electrical power and distribution is covered in Electrical Power Systems, Electrical Power Systems project, Renewable Energies, Project Specification and Project Implementation.

Mathematics: Mathematics is prominent and applied in modules such as Electrical Signal & Systems and the control modules.

Industrial Studies and Personal Development: Industrial Placement, Semiconductor Technology, Industrial Standards and Legislation and Operations management.

Telecommunications/communications: Telecommunications and Data Communications.

Placement

The course has a nine month work placement which allows the student to develop their skills in an electrical engineering environment. Students have undertaken their work placement in areas such as Pharmaceutical, Construction, Control, Lighting design and Utilities.

Major Project

The final year of the programme has a major project component consisting of two modules: project specification and project implementation.

Career Opportunities

- Pharmaceutical Industry
- Medical Technology
- Process Control and Plant Automation
- Power Generation
- Renewable Energies
- Semiconductor Fabrication Industries

Follow on study

Graduates may apply to join appropriate level 9 programmes including the MEng in Electronic Engineering within WIT.

COURSE OUTLINE

YEAR ONE

SEMESTER ONE
- Introduction to Engineering
- Engineering Computing
- Engineering Maths 1
- Engineering Professionalism
- Engineering Physics 1

SEMESTER TWO
- Analogue Electronic Devices
- DC Circuit Theory
- Introduction to Programming
- Introduction to Electronic & Electrical Technology
- Engineering Maths 2
- Engineering Physics 2

YEAR TWO

SEMESTER THREE
- Electrical Embedded Project
- Electrical Engineering
- Instrumentation & Measurement
- Lighting & Daylighting Design
- Sustainable Hear & Power Generation Technologies
- Maths Ordinary Differential Equations

SEMESTER FOUR
- Electrical Machines
- Electrical Power Engineering
- Electrical Services Design
- Industrial Automation
- Industrial Electronics
- Maths Advanced Calculus

YEAR THREE

SEMESTER FIVE
- Advanced Engineering Maths
- Electrical Power Systems
- Electrical Health & Safety
- HLL Programming
- Smart Grid Communications Technology
- Telecommunications

SEMESTER SIX
- **Industrial Studies & Placement**

YEAR FOUR

SEMESTER SEVEN
- Algorithms & Applications
- Analogue Control
- Data Communications
- Pharma Compliance & Law
- Project Specification
- Theory & Applications of Transformers & Line Reactors

SEMESTER EIGHT
- Project Implementation
- Digital Control
- Energy Management of Buildings
- Operations Strategy / Innovation
- Robotics & Vision
- Smart Grid Technology / Renewable Energies

Course outline is subject to change.

BACHELOR OF ENGINEERING (HONS) IN

MECHANICAL & MANUFACTURING ENGINEERING

APPLY CAO **WD230**

wit.ie/wd230

LEVEL **8**

ENTRY REQUIREMENTS
2 subjects: H5
4 subjects: O6/H7
English or Irish: O6/H7
Mathematics: O3/H7

H5 or better in a Laboratory Science (Biology, Chemistry, Physics, Physics with Chemistry or Agricultural Science) or Technical (Engineering, Technology, Technical Drawing, Design and Communication Graphics) subject compensates for not making the required grade in Maths (O3/H7).

DURATION
4 years

POINTS 2019
Min: 273
Range: 273 - 488

COURSE LEADER
Liam O'Shea
Email: loshea@wit.ie

What is Mechanical & Manufacturing Engineering?

This is a broad area focusing on the design and development of products and processes. Mechanical engineering has a strong product and equipment design element, while manufacturing engineering analyses the processes and systems required to produce goods.

Course Aims

This is a four year honours degree, which prepares students for employment in a very broad range of engineering situations.

Career Opportunities

Graduates of the course may find work in the following areas:

- Process Design and Improvement
- Enterprise Resource Management
- Product Design & Development
- Manufacturing Engineering
- Quality Management

Past graduates are employed in a variety of companies including: Bausch & Lomb, Hewlett-Packard, Intel, Mercury Engineering, Radley Engineering and abroad.

Follow on Study

Graduates of this course are eligible to proceed to postgraduate courses in WIT and other colleges.

Industrial Placement

Industrial placement takes place in semester 6, which can be up to six months duration (March - September). These placements have been very successful at providing a perspective on the broad variety of material that they have covered in the course.

Students have been previously placed in Bausch & Lomb (Waterford), Honeywell (Waterford), Intel (Leixlip), Janssen Pharmaceutical (Cork), Lasercut Engineering (Shannon), Schering-Plough (Wicklow), and Stryker (Cork).

Field Trips

Industrial visits are an integral part of the course, providing the students with examples of authentic applications of course material. Other events, such as visiting lecturers or Engineering Society trips, occur on a regular basis.

COURSE OUTLINE

YEAR ONE

SEMESTER ONE
- Fundamental Engineering Maths
- Physics
- Materials 1
- Mechanical Systems
- Engineering Drawing
- Thinking & Learning Skills

SEMESTER TWO
- Introductory Calculus
- Electrical Science
- Manufacturing Technology 1
- Engineering Mechanics
- Computer Aided Draughting
- Manufacturing Systems

YEAR TWO

SEMESTER THREE
- Electrical Engineering
- Mathematical Methods
- Engineering Design
- Applied Mechanics
- Engineering Computing
- Materials 2

SEMESTER FOUR
- Computer Aided Design
- Thermodynamics
- Manufacturing Technology 2
- Production Systems
- Advanced Calculus
- Electronic Engineering

YEAR THREE

SEMESTER FIVE
- Quality Management
- Industrial Power Systems
- Mechanics of Materials
- Dynamics & Vibrations
- Enterprise Resource Management
- Fluid Mechanics

SEMESTER SIX
- **Industrial Studies**
- **Industrial Placement**

YEAR FOUR

SEMESTER SEVEN
- Heat & Mass Transfer
- FEA & Design Tools
- Manufacturing Facilities
- Facility Simulation & Reliability
- Operations Strategy
- Project 1

SEMESTER EIGHT
- Advanced Materials & Process Selection
- Process Control
- Supply Chain Management
- Energy Conversion
- Applied Fluid Mechanics
- Project 2

Course outline is subject to change.

STUDENT VIEW

"Engineering is known to be difficult yet rewarding career path and after choosing to study this in WIT I found that the reward begins with less of the difficulty. The course had such a broad spectrum of modules, a variety of software packages and industrial placement. This placement gave me a chance to apply all the techniques I have learned, and gave me a real flavour for what life after college can be like."

Emily Watson

HIGHER CERTIFICATE IN ENGINEERING IN

MECHANICAL ENGINEERING

APPLY CAO
WD011
wit.ie/wd011

LEVEL
6

ENTRY REQUIREMENTS
5 subjects: O6/H7
English or Irish: O6/H7
Mathematics: O6/H7

DURATION
2 years

POINTS 2019
Min: 200
Range: 200 - 414

COURSE LEADER
Paul Allen
Email: pallen@wit.ie

What is Mechanical Engineering?
Mechanical engineering is the branch of engineering that deals with the design and manufacture of machinery and tools. Mechanical engineers use applied maths and science to design a wide range of machines, from domestic household appliances to sophisticated machines such as aircraft and automobiles.

Course Aims
The Higher Certificate in Engineering in Mechanical Engineering is a two year full-time course. Course graduates are trained in many engineering disciplines including Engineering Mathematics, Engineering Science, Engineering Drawing, CAD, Hydraulics, Pneumatics and Automotive Technology.

Career Opportunities
- Plant operation and maintenance
- CAD/ Drawing Office
- CNC Programmer
- Manufacturing Engineering Support
- Assistant Design Engineer
- Technical Sales Person

Industrial Visits
To reflect the practical nature of mechanical engineering, the course contains a number of laboratory classes. These include Workshop, Automation, Materials, Science and Automotive laboratories. In addition industrial visits and field trips are used to enhance the learning experience.

Follow on Study
- BEng in Mechanical Engineering (WD207) - Year 3
- BEng in Manufacturing Engineering (WD208) - Year 3

COURSE OUTLINE

YEAR ONE

SEMESTER ONE
- Electrical Technology
- Engineering Professionalism & Technology
- Engineering Science
- Fundamental Engineering Maths
- Mechanical & Manufacturing Technology
- Mechanical Workshop

SEMESTER TWO
- Engineering Drawing / CAD
- Introductory Calculus
- Machine Systems
- Materials Technology 1
- Mechanical Science
- Production Technology 1

YEAR TWO

SEMESTER THREE
- Mathematical Methods
- Engineering Drawing / Design
- Applied Computing
- Materials Technology 2
- Production Plant
- Workshop 2

SEMESTER FOUR
- Calculus
- Electronics & Control
- Power Systems
- Production Technology 2
- Engineering Design Analysis
- Project

Course outline is subject to change.

STUDENT VIEW

"I decided on this course because the modules covered looked very interesting and the course offered both hands on and theory elements. If you have an interest in understanding how machinery operates or want to open opportunities in a very broad sector/Industry, this course is very good at providing the knowledge and ability needed to work in multiple industries along with the attention to detail and tools that you will need."

John O'Shea

BACHELOR OF ENGINEERING IN

MECHANICAL ENGINEERING

APPLY CAO
WD207
wit.ie/wd207

LEVEL
7

ENTRY REQUIREMENTS
5 subjects: O6/H7
English or Irish: O6/H7
Mathematics: O6/H7

DURATION
3 years

POINTS 2019
Min: 179
Range: 179 - 613

COURSE LEADER
Paul Allen
Email: pallen@wit.ie

What is Mechanical Engineering?

Mechanical engineering is the branch of engineering that deals with the design and manufacture of machinery and tools. Mechanical engineers use applied maths and science to design a wide range of machines, from domestic household appliances to sophisticated machines such as aircraft and automobiles.

Course Aims

The BEng in Mechanical Engineering is a three year, level 7 programme. Graduates of the course are trained in many engineering disciplines including Engineering Mathematics, Engineering Science, Engineering Drawing, CAD, Hydraulics, Pneumatics and Automotive Technology.

Industrial Visits

To reflect the practical nature of mechanical engineering, the course contains a number of laboratory classes. These include Workshop, Automation, Materials, Science and Automotive laboratories. In addition industrial visits and field trips are used to enhance the learning experience.

Follow on Study

- BSc (Hons) in Manufacturing Engineering (WD036) – one year add-on course
- BEng (Hons) in Mechanical & Manufacturing Engineering (WD230) – Year 3

COURSE OUTLINE

YEAR ONE

SEMESTER ONE
- Electrical Technology
- Engineering Professionalism & Technology
- Engineering Science
- Fundamental Engineering Maths
- Mechanical & Manufacturing Technology
- Mechanical Workshop

SEMESTER TWO
- Engineering Drawing / CAD
- Introductory Calculus
- Machine Systems
- Materials Technology 1
- Mechanical Science
- Production Technology 1

YEAR TWO

SEMESTER THREE
- Mathematical Methods
- Engineering Drawing / Design
- Applied Computing
- Materials Technology 2
- Production Plant
- Workshop 2

SEMESTER FOUR
- Calculus
- Electronics & Control
- Power Systems
- Production Technology 2
- Engineering Design Analysis
- Project

YEAR THREE

SEMESTER FIVE
- Engineering Design Process
- Fluid & Thermodynamics
- Mechatronics 1
- Mechanics of Materials & FEA
- Differential Equations
- Project 1

SEMESTER SIX
- Engineering Design Operations
- Mechatronics 2
- Static & Dynamic Systems
- Robotics & Control
- Dynamics & Control
- Project 2

Course outline is subject to change.

BACHELOR OF ENGINEERING IN

MANUFACTURING ENGINEERING

APPLY CAO
WD208
wit.ie/wd208

LEVEL
7

ENTRY REQUIREMENTS
5 subjects: O6/H7
English or Irish: O6/H7
Mathematics: O6/H7

DURATION
3 years

POINTS 2019
Min: 195
Range: 195 - 511

COURSE LEADER
Mary Doyle Kent
Email: mdkent@wit.ie

What is Manufacturing Engineering?

Manufacturing Engineering is the branch of engineering that oversees the complex process of making things on a large scale. Manufacturing Engineers design the processes, the systems and the tools used in the manufacturing of a product. They ensure that the plant works efficiently and effectively to produce high quality products, often incorporating automated and robotics systems. Manufacturing Engineering develops systems used to plan and control the manufacture of products, conduct risk analysis and strive to improve environmental impact in a modern manufacturing company.

Course Aims

The Bachelor of Engineering in Manufacturing Engineering is a three year level 7 programme. Graduates are trained in the core areas of mechatronics, robotics, production plant, power systems, engineering design, manufacturing technology, operations and quality management.

Special Feature - Project

The main project contributes to the students' learning and development and is also the most enjoyable feature of this course. This is so beacuase all the projects deal with 'real' problems and every project has a client who needs the results. The method by which the project objectives are achieved is not known in advance and is therefore developed by the students, in conjunction with their supervisor and client.

Career Opportunities

- Process Engineers
- Production Engineers
- Automation Specialists

Follow on Study

- BSc (Hons) in Manufacturing Engineering (WD036) – one year add-on course
- BEng (Hons) in Mechanical & Manufacturing Engineering (WD230) – Year 3

COURSE OUTLINE

YEAR ONE

SEMESTER ONE
- Electrical Technology
- Engineering Professionalism & Technology
- Engineering Science
- Fundamental Engineering Maths
- Mechanical & Manufacturing Technology
- Mechanical Workshop

SEMESTER TWO
- Engineering Drawing / CAD
- Introductory Calculus
- Machine Systems
- Materials Technology 1
- Mechanical Science
- Production Technology 1

YEAR TWO

SEMESTER THREE
- Mathematical Methods
- Engineering Drawing / Design
- Applied Computing
- Materials Technology 2
- Electrical & Control
- Industry Studies

SEMESTER FOUR
- Applied Engineering
- Calculus
- Engineering Design Analysis
- Fluid Power Automation
- Production Technology 2
- Thermodynamics

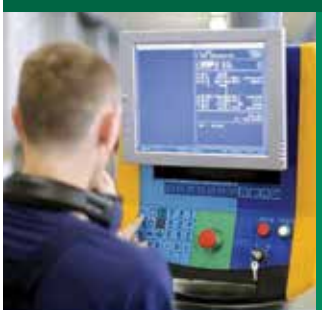
YEAR THREE

SEMESTER FIVE
- Engineering Design Process
- Process Control
- Mechatronics 1
- Operations Management
- Differential Equations
- Project 1

SEMESTER SIX
- Engineering Design Operations
- Mechatronics 2
- Manufacturing Technology
- Robotics & Materials Handling
- Dynamics & Control
- Project 2

Course outline is subject to change.

STUDENT VIEW



"After graduating I started working for DePuy Ireland. DePuy designs, manufactures and distributes orthopaedic devices and supplies including hip, knee, extremity, trauma, orthobiologics, and operating-room products which are manufactured in line with the highest quality standards within a regulated environment. Luckily the practical project work students undertake alongside the classwork, provides graduates from this course with a real understanding of what they will end up working with in industry."

Kenny Williamson

BACHELOR OF SCIENCE (HONS) IN

MANUFACTURING ENGINEERING

ADD-ON COURSE

WD036

wit.ie/wd036

LEVEL

8

ADD-ON COURSE

Students who complete the BEng in Manufacturing Engineering or the BEng in Mechanical Engineering may apply for admission. Please note that reaching the minimum requirements will not guarantee a place on this course.

DURATION
1 year

COURSE LEADER
School of Engineering
Email: engschool@wit.ie
Tel: 051 302035

What is Manufacturing Engineering?

Manufacturing Engineering involves the use of computer systems to design products, plan production, control operations and perform the various business-related functions needed in a manufacturing firm and their incorporation into an integrated computer system.

Course Aims

The BSc (Hons) in Manufacturing Engineering is a one year follow-on course for graduates of the BEng in Manufacturing Engineering. The course prepares students to work with the latest computer-based technologies associated with modern manufacturing practice.

Career Opportunities

Graduates of the BSc (Hons) in Manufacturing Engineering have found employment in the following areas:

- Process development and automation
- Plant specification
- Equipment commissioning
- Manufacturing and engineering management
- Resource planning
- Project control.

Gaining employment with many diverse organisations including: Allied Signal, Bausch & Lomb, Bulmers (C+C), Boston Scientific, Abbott, Turnex, Wyeths, Genzyme, Johnson & Johnson and Sanofi.

Follow on Study

Graduates achieving an honours degree on this course may apply for MSc or PhD degree courses in WIT or elsewhere.

Field Trips

Industrial visits and field trips form part of this course. Presentations from past graduates and industrial visitors are a regular feature.

Projects
Projects form a very enjoyable part of the course where students have the freedom to genuinely express themselves. Many of the projects undertaken have developed into postgraduate research projects and a number of final-year students have presented their work in published papers at international conferences.

COURSE OUTLINE

YEAR ONE

SEMESTER ONE

Software Engineering
CAE
Advanced Manufacturing
Process Control
Process Technology
Project 1

SEMESTER TWO

Networks & Facility Simulation
Process Evaluation
Operations Management
Design for Manufacture
Manufacturing Technology
Project 2

STUDENT VIEW

"During my four years in WIT I have met some very interesting people this helped to make me more open minded, which will be very helpful for future development. During this time I have been involved in several projects, from the development of a perpetual motion machine in the Higher Cert, Nano-technological research in the Bachelor degree, to the development of a methodology based on Six Sigma in my BSc honours degree."

Lukas Birkus

HIGHER CERTIFICATE IN ENGINEERING IN

ELECTRONIC ENGINEERING

APPLY CAO
WD010
wit.ie/wd010

LEVEL
6

ENTRY REQUIREMENTS
5 subjects: O6/H7
English or Irish: O6/H7
Mathematics: O6/H7

DURATION
2 years

POINTS 2019
Min: 224
Range: 224 - 567

COURSE LEADER
Dr Martin Hayes
Email: mhayes@wit.ie

What is Electronic Engineering?
Common electronic systems include applications like mobile phones, sound and vision systems, computer and information technology, automation and machine control, robotics and biomedical engineering. Increasingly, embedded software is a vital element in modern electronics. Electronic engineering is concerned with the design, development, manufacture and application of electronic devices, circuits and systems.

Course Aims
The Higher Certificate in Engineering in Electronics is a two year course, which prepares students for employment and/or further education in the area of electronic engineering.

Career Opportunities
Graduates of the Higher Certificate in Engineering in Electronic Engineering find work in the following areas:
- Assembly, testing and troubleshooting of electronic equipment
- Operation and servicing of electronic equipment
- Technical sales and technical support
- Hardware and software applications

Special Features of the Course
There is a strong emphasis on practical work in the course and there is a project element in each semester where students construct and test electronic circuits. There is also hardware and software integration in some of these projects.

Follow on Study
BEng in Electronic Engineering (WD206) - Year 3

COURSE OUTLINE

YEAR ONE

SEMESTER ONE
- Electrical Engineering Applications & Practice
- Electrical Science 1
- Electronic Devices & Circuit Technology
- Engineering Professionalism & Technology
- Engineering Science
- Fundamental Engineering Maths

SEMESTER TWO
- Combinational Digital Systems
- Discrete Active Circuits
- Electrical Science 2
- Electronic Design Software
- Electronics Project
- Introductory Calculus

YEAR TWO

SEMESTER THREE
- Operational Amplifiers & Applications
- Sequential Digital Systems
- Telecommunications Fundamentals
- Further Calculus and Probability
- Electronic Systems 1
- Introduction to HLL Programming

SEMESTER FOUR
- Electronic Power Circuits
- Programmable Digital Systems
- Industrial Instrumentation
- Linear Algebra and ODE's
- Electronic Systems 2
- Control Systems

Course outline is subject to change.

STUDENT VIEW

"I thought Electronic Engineering would be an interesting route to take. I'd always been into computers and circuits so this course was perfect. I think the more women we see go into engineering and technology the better. Following the higher cert in Electronic Engineering, I have since enrolled in the level 8 BSc in Applied Electronics here at WIT."

Jenny Ball - Intel Women in Technology Award recipient

BACHELOR OF ENGINEERING IN

ELECTRONIC ENGINEERING

APPLY CAO
WD206
wit.ie/wd206

LEVEL
7

ENTRY REQUIREMENTS
5 subjects: O6/H7
English or Irish: O6/H7
Mathematics: O6/H7

DURATION
3 years

POINTS 2019
Min: 191
Range: 191 - 554

COURSE LEADER
Jason Berry
Email: jberry@wit.ie

What is Electronic Engineering?

Common electronic systems include applications like mobile phones, sound and vision systems, computer and information technology, automation and machine control, robotics and biomedical engineering. Electronic engineering is concerned with the design, development, manufacture and application of electronic devices, circuits and systems.

Course Aims

The BEng in Electronics three year programme which prepares students for employment and/or further education in the area of electronic engineering.

Career Opportunities

Graduates of the Bachelor of Electronic Engineering Degree will find work in the following areas:

- Telecommunications (e.g. Nokia, Ericssons)
- Microprocessor manufacture (e.g. Intel)
- Field service engineering (e.g. Siemens)
- Automotive Electronics
- Software development C/C++/JAVA
- Technical sales

Special Features of the Course

There is a strong emphasis on project work in the course. Students design, construct and test embedded electronic applications.

Example project application areas include Robotics, Automotive Electronics, Telecommunications, Sensors & Interfacing to Mobile Phones and WWW. The BEng has a strong embedded electronic, software and instrumentation emphasis.

Follow on Study

BEng (Hons) in Electronic Engineering (WD007 ECE) - Year 3

COURSE OUTLINE

YEAR ONE

SEMESTER ONE
- Electrical Engineering Applications & Practice
- Electrical Science 1
- Electronic Devices & Circuit Technology
- Engineering Professionalism & Technology
- Engineering Science
- Fundamental Engineering Maths

SEMESTER TWO
- Combinational Digital Systems
- Discrete Active Circuits
- Electrical Science 2
- Electronic Design Software
- Electronics Project
- Introductory Calculus

YEAR TWO

SEMESTER THREE
- Operational Amplifiers & Applications
- Sequential Digital Systems
- Telecommunications Fundamentals
- Further Calculus and Probability
- Electronic Systems 1
- Introduction to HLL Programming

SEMESTER FOUR
- Electronic Power Circuits
- Programmable Digital Systems
- Industrial Instrumentation
- Linear Algebra and ODE's
- Electronic Systems 2
- Control Systems

YEAR THREE

SEMESTER FIVE
- Embedded Systems Project
- Embedded HLL Programming
- Industrial Measurement
- Math.Transform Methods
- Computer Interfacing
- Embedded ARM Development

SEMESTER SIX
- Computer Interfacing & Network
- Embedded Project Application
- Embedded Systems Design
- Linear / Fourier Analysis
- Telecommunications Systems

Course outline is subject to change.

STUDENT VIEW

"My favourite thing about this course was building the Robocar, it was something new, it hadn't been done before in any other IT across the country and it was different. It was great because of the opportunities it gives you. If you enjoy being creative and doing things with your hands, building things from scratch and seeing how things work, this is the course for you."

Shane Shortiss

BACHELOR OF ENGINEERING IN

ELECTRICAL ENGINEERING

APPLY CAO
WD182
wit.ie/wd182

LEVEL
7

ENTRY REQUIREMENTS
5 subjects: O6/H7
English or Irish: O6/H7
Mathematics: O6/H7

DURATION
3 years

POINTS 2019
Min: 188
Range: 188 - 487

COURSE LEADER
Siobhan Wall
Email: swall@wit.ie

What is Electrical Engineering?

Electrical engineering is concerned with the basic forms of energy that run our world. Whether it's gas, hydro, turbine, fuel cell, solar, geothermal or wind energy, electrical engineers deal with distributing these energies from their sources to our homes, factories, offices, hospitals and schools. Electrical engineering also involves the exciting fields of electronics and information technology.

Electrical engineering supplies us with the ability to harness electricity which has transformed our lives. It gives us light, heat, communication systems and comfort. Electrical engineers create and design products and information systems using scientific principles combined with problem-solving and innovation.

Course Aims

This course is a three year level 7 degree in Electrical Engineering. The course is designed to fully equip the students with the skills required to function as an engineering technician in the areas of electrical services, control, automation, energy production, renewable technologies and energy policy and legislation. The first year of the course is designed to introduce students to the fundamentals of maths, engineering science and technology that underpin the study of engineering. It will equip students with the knowledge required to undertake a more specific study of engineering in relation to electrical engineering in years two and three.

Special Features/Placement

Students will undertake a number of project modules, which will be industry supported and driven and will prepare the student for working as part of an engineering team in industry.

Career Opportunities

Graduates from this course may find employment in fields such as:

- Pharmaceutical Industry
- Medical Technology
- Manufacturing Engineering
- Power Generation
- Renewable Energies
- Electrical Contracting

Filling roles such as:

- Electrical Technician
- Maintenance Technician
- Field Service Engineer
- Electrical Services Engineer

Follow on Study

BEng (Hons) in Electrical Engineering (WD007 ELE) - Year 3

COURSE OUTLINE

YEAR ONE

SEMESTER ONE
- Fundamental Engineering Maths
- Electrical Science 1
- Electronic Devices & Theory
- Engineering Science 1
- Computer Aided Electrical Engineering 1
- Learning Skills / Communications

SEMESTER TWO
- Introductory Calculus
- Electrical Science 2
- Discrete Active Circuits
- Electrical Engineering 1
- Computer Aided Electrical Engineering 2
- Electrical Workshop

YEAR TWO

SEMESTER THREE
- Further Calculus & Probability
- Engineering Software Tools
- Instrumentation & Measurement
- Electrical Engineering 2
- Security Systems Design
- Applied Electrical Engineering Project

SEMESTER FOUR
- Linear Algebra & ODEs
- Building Services
- Robotics & Control
- Electrical Machines
- Power Systems
- Electrical Control Project

YEAR THREE

SEMESTER FIVE
- Maths Transform Methods
- Mechatronics 1
- Industrial Electronics
- Electrical Services Design
- Electrical Power Engineering
- Electrical Engineering Project 1

SEMESTER SIX
- Linear & Fourier Analysis
- Lighting & Daylight Design
- Industrial Automation
- Sustainable Heat & Power Generation
- Engineering Management & Enterprise
- Electrical Engineering Project 2

STUDENT VIEW

"As an Electrician returning to full time education it was always going to be a challenge to me however the help that I received from the lecturers involved was hugely beneficial. The course itself is demanding however it is very well balanced between theory and practical work which is very enjoyable. The opportunities open to me from this course are extensive and you will get out of it what you put in."

Stephen Gough

BACHELOR OF ENGINEERING IN

CIVIL ENGINEERING

APPLY CAO
WD139
wit.ie/wd139

LEVEL
7

ENTRY REQUIREMENTS
5 subjects: O6/H7
English or Irish: O6/H7
Mathematics: O6/H7

DURATION
3 years

POINTS 2019
Min: 200
Range: 200 - 566

COURSE LEADER
Tom Gillespie
Email: tgillespie@wit.ie

What is Civil Engineering?

Civil Engineering specialises in the planning, design, construction and maintenance of major structures such as roads, railways, bridges, tunnels, airports, harbours, power stations and large structures of every kind from skyscrapers to offshore oilrigs.

Course Aims

The BEng in Civil Engineering is a three year degree course, which prepares graduates to find employment as civil engineering technicians in the civil engineering sector.

Career Opportunities

Civil Engineering technicians find employment with:

- Local authorities
- Civil engineering contractors
- Consulting engineers
- Government departments

Follow on Study

BEng (Hons) in Sustainable Civil Engineering (WD007 SCE) - Year 3
BEng (Hons) in Sustainable Energy Engineering (WD007 SEE) - Year 3
BSc (Hons) in Construction Managment & Engineering (WD025) - Year 3

COURSE OUTLINE

YEAR ONE

SEMESTER ONE
Surveying 1
Civil & Structural Graphics
Civil Engineering Mathematics 1
Statics & Dynamics
Civil Engineering Technology
Communications & Study Skills

SEMESTER TWO
Surveying 2
Civil Engineering BIM
Civil Engineering Mathematics 2
Structural Mechanics
Materials Technology 1
Engineering Science

YEAR TWO

SEMESTER THREE
Soil Mechanics
Civil Engineering BIM 2
Civil Engineering Mathematics 3
Design of Structures 1
Management for Civil Engineers
ELECTIVE

SEMESTER FOUR
Surveying 3
Intro to Project Management
Civil & Structural Draughting
Fluid Mechanics
Design of Structures 2
ELECTIVE

YEAR THREE

SEMESTER FIVE
Design of Structures 3
Surveying 4
Research Skills
Construction Health & Safety
Civil Engineering Mathematics 4
ELECTIVE

SEMESTER SIX
Energy Performance of Buildings
Project
Civil Engineering Mathematics 5
Structural Analysis 1
Civil Engineering Technology
Environmental Engineering 1

STUDENT VIEW

"I chose to study at WIT as I knew a lot of people who had studied at WIT and all of whom said they thoroughly enjoy their experience. As part of my studies, we were required to undertake a six month industrial placement. I was lucky enough to get the opportunity to work with John Sisk & Sons. I was based on the construction of a large residential development in Wembley, London, overlooking the iconic Wembley stadium."

Jimmy Byrne

BACHELOR OF SCIENCE (HONS) IN

CONSTRUCTION MANAGEMENT & ENGINEERING

APPLY CAO
WD025
wit.ie/wd025

LEVEL
8

ENTRY REQUIREMENTS
2 subjects: H5
4 subjects: O6/H7
English or Irish: O5/H7
Mathematics: O5/H7

DURATION
4 years

POINTS 2019
Min: 269
Range: 269 - 477

COURSE LEADER
Dr. Brian Graham
Email: bgraham@wit.ie
Tel: 051 302084

What is Construction Management & Engineering?

Construction Management & Engineering prepares students for responsible engineering and management roles in all phases of construction projects. It emphasises management, engineering and technological techniques useful in organising, planning and controlling the activities of diverse specialists working in the project environment of the Irish and international construction industry.

Course Aims

The BSc (Hons) in Construction Management & Engineering is a four year course that prepares graduates for a career as professional construction managers and engineers in the Irish and worldwide construction industry.

Career Opportunities

- Project Management
- Construction Engineering
- Design & Build
- Information Technology
- Facilities Management
- Property Development
- National & International Projects
- Business Development

Industrial Placement

Each student is required to complete a 30-week paid industrial placement with a construction company in the second period (February to September) of the third year. The companies comprise general contractors in civil engineering, building and residential property, project management companies, specialist contractors, engineering design offices and materials manufacturers.

Follow on Study

- MSc in Construction Project Management
- MSc in Sustainable Energy Engineering
- MSc/PhD Research

COURSE OUTLINE

YEAR ONE

SEMESTER ONE
- Construction Measurement
- Introduction to Management
- Mathematics
- Construction Technology
- Introduction to ICT
- Communications & Study Skills

SEMESTER TWO
- Construction Economics
- Management Studies
- Theory of Structures
- Engineering Services
- Intro to Construction Materials
- Introduction to BIM

YEAR TWO

SEMESTER THREE
- Intro to Construction Law
- Services Technology
- Geotechnical Engineering
- Construction Methods
- Procurement Strategy
- ELECTIVE

SEMESTER FOUR
- Tendering & Estimating
- Intro to Project Management
- Design of Structures
- Introduction to Surveying
- Integrated Project
- ELECTIVE

YEAR THREE

SEMESTER FIVE
- Engineering Structure
- Site Surveying
- Construction Tech Systems
- Construction Health & Safety
- Measurement & Costing
- ELECTIVE

SEMESTER SIX
- Research Methods
- **Industrial Placement 1**

YEAR FOUR

SEMESTER SEVEN
- Development Economics
- Project & Corporate Management
- Temporary Works Design
- Services Tech & Integration
- Dissertation
- **Industrial Placement 2**

SEMESTER EIGHT
- Construction Law
- Marketing & Finance
- Quality & HRM
- Innovative Technology
- Dissertation
- ELECTIVE

STUDENT VIEW

"My time at WIT couldn't have gone better, I won runner up for the best dissertation with Sisk as well as runner up for the Clancy Award for my placement with BAM. I chose the course because of the reputation it had, lots of top guys in the industry had done this course and spoke so highly of them, plus the seven month work placement."

Hugh Brooke Cameron

BACHELOR OF SCIENCE (HONS) IN

QUANTITY SURVEYING

APPLY CAO
WD162
wit.ie/wd162

LEVEL
8

ENTRY REQUIREMENTS
2 subjects: H5
4 subjects: O6/H7
English or Irish: O5/H7
Mathematics: O5/H7

DURATION
4 years

POINTS 2019
Min: 260
Range: 260 - 454

COURSE LEADER
Robert Smyth
BSc MSc FSCS FRICS FCIOB
Email: rsmyth@wit.ie

Course Aims

This course has been designed to produce graduates who can successfully operate as professional quantity surveyors/costs consultants in the future Irish and global construction industry. They will be able to communicate effectively, have a working knowledge of relevant Information and Communications Technologies (ICT). The course is fully accredited by the Society of Chartered Surveyors Ireland (SCSI).

Career Opportunities

There has been a demand for qualified Quantity Surveyors and this demand continues to exist with both Professional Quantity Surveying/ Cost Consultant practices and with Construction companies both in Ireland and overseas.

Industrial Placement

Each student is required to complete a 30-week industrial placement relating to quantity surveying. This paid placement will be typically with either a quantity surveying consultancy or a construction company. Placements will normally be organised by WIT and be completed in Ireland. There is however the possibility of placements in the UK and further afield. Each placement will have an academic supervisor and an industrial supervisor.

Follow on Study

MSc in Construction Project Management
MSc/PhD Research

COURSE OUTLINE

YEAR ONE

SEMESTER ONE
- Introduction to Management
- Measurement & Estimating (1)
- Mathematics for Surveyors
- Residential Technology (1)
- Communications & Study Skills
- Introduction to ICT

SEMESTER TWO
- Introduction to Economics
- Measurement & Estimating (2)
- Management Studies
- Residential Technology (2)
- Introduction to Land Surveying
- Introduction to BIM

YEAR TWO

SEMESTER THREE
- Procurement Strategy
- Measurement & Estimating (3)
- Introduction to Construction Law
- Commercial Technology (1)
- Services Technology (1)
- ELECTIVE

SEMESTER FOUR
- Cost Planning
- Measurement & Estimating (4)
- Introduction to Project Management
- Commercial Technology (2)
- Integrated Project
- ELECTIVE

YEAR THREE

SEMESTER FIVE
- Construction Administration
- Measurement & Estimating (5)
- Contracts Studies
- Construction Health & Safety
- Advanced Technology
- ELECTIVE

SEMESTER SIX
- Research Methods
- **Industrial Placement 1**

YEAR FOUR

SEMESTER SEVEN
- Development Economics
- Value Management
- Project & Corporate Management
- Services Technology & Integration
- Dissertation
- **Industrial Placement 2**

SEMESTER EIGHT
- QS Professional Practice
- Marketing & Finance
- Construction Law
- Advanced Measurement
- Dissertation
- ELECTIVE

STUDENT VIEW

"Completing my undergraduate course in Ireland was a good decision. I came all the way from Malaysia through the credit transfer programme for level 8 BSc (Hons) in Quantity Surveying at Waterford Institute of Technology. The sandwich course granted me an opportunity to discover the potential and perspective of my career as I will be going out into the world to make a career for myself. These experiences really helped to define myself.

The lecturers and career advisor assist students seeking full-time employment before the end of the course. This leads students to their chosen path and is instrumental in their career development. The interview testimonial is very informative and effective, students are helped to confidently prepare themselves for job interviews. This process helped me secure a position with Nolan Construction Consultants and I have since enrolled onto the SCSI APC Programme. The support and mentoring that I am getting continues to broaden my horizons and my WIT degree is a great first step on my chosen career path."

YiHui Tan

BACHELOR OF

ARCHITECTURE (HONS)

APPLY CAO
WD144
wit.ie/wd144

LEVEL
8

ENTRY REQUIREMENTS
2 subjects: H5
4 subjects: O6/H7
English or Irish: O6/H7
Mathematics: O3/H7

Applicants who apply to the CAO by 1 February and have successfully completed a level 7 or 8 course in any discipline, but do not meet the Leaving Certificate eligibility criteria, may be considered for admission. More info: www.wit.ie/admissionspolicies

DURATION
5 years

POINTS 2019
Min: 283
Range: 283 - 587

COURSE LEADER
Harry Bent
Dip. Arch, BArchSc, MRIAI
Email: hbent@wit.ie

What is Architecture?
'Architecture involves everything that influences the way in which the built environment is planned, designed, made, used, furnished, landscaped and maintained' UNESCO/UIA charter for architectural education 2005.

Course Aims
It is a five year honours degree course, designed in accordance with national and international guidelines on architectural education. It has received full accreditation by the Royal Institute of Architects of Ireland (RIAI).

Architectural education at WIT is primarily about developing within each student a 'design mind' so that they can bring together in a creative way the complex challenges facing the future world of construction. Students are introduced to design methodologies and work in a 'learning through doing' environment in the studio where they explore architectural designs growing in complexity as they progress through the various years. They are taught the importance of culture, climate and craft in developing design ideas. Feeding into these studio based projects are the supporting subjects grouped under the generic headings of 'Cultural Context', 'Communications', 'Technology & the Environment' and a suite of electives including languages and life drawing which introduces students to related disciplines as well as facilitating international exchange programmes.

International Links
Agreements have been signed with schools of architecture in France, Mexico and Germany facilitating exchange study programmes. Languages are taught as electives to encourage students to avail of these travel opportunities. Annual trips to European capitals take place in all stages of the course.

Additional Points
Applicants who apply to the CAO by 1 February may qualify for consideration for additional points for this course. For more information visit, www.wit.ie/admissionspolicies

Career Opportunities
- Architectural Design Offices
- Researching

Follow on Study
Masters/ PhD Programmes in the School of Engineering at WIT.

Department of Architecture, Granary Campus

BACHELOR OF

ARCHITECTURE (HONS)

APPLY CAO

WD144

wit.ie/wd144

LEVEL

8

COURSE OUTLINE

YEAR ONE

SEMESTER ONE

- Architectural Design Studio 1
- Cultural Context 1
- Structures & Environmental Science 1
- Techne Studio 1
- Visual Communication 1

SEMESTER TWO

- Architectural Design Studio 2
- Cultural Context 2
- Research & Academic Development 1
- Techne Studio 2
- Visual Communication 2

YEAR TWO

SEMESTER THREE

- Architectural Design Studio 3
- Cultural Context 3
- Structures & Environmental Science 2
- Techne Studio 3
- CHOOSE 1: Detailing by Model Making / Publications 1

SEMESTER FOUR

- Architectural Design Studio 4
- Cultural Context 4
- Research & Academic Development 2
- Techne Studio 4
- Visual Communication 3

YEAR THREE

SEMESTER FIVE

- Architectural Design Studio 5
- Cultural Context 5
- Structures & Environmental Science 3
- Techne Studio 5
- CHOOSE 1: Acoustics in the Built Environment / Publications 2

SEMESTER SIX

- CHOOSE 1: **Industrial Placement** / **Architectural Design Studio 6**
- Cultural Context 6
- Professional Practice 1 – Management
- Research & Academic Development 3

YEAR FOUR

SEMESTER SEVEN

- Architectural Design Studio 5
- Conservation 2
- Cultural Context 7
- Techne Studio 6

SEMESTER EIGHT

- Architectural Design Studio 8
- Cultural Context 8
- Research & Academic Development 4
- Techne Studio 7

YEAR FIVE

SEMESTER NINE

- Architectural Design Studio 9
- Professional Practice 2 - Law
- Techne Studio 8
- Research & Academic Development 5

SEMESTER TEN

- Architectural Design Studio 10
- Professional Practice 3 – Architectural Practice
- Techne Studio 9

Course outline is subject to change.

Granary Campus, Waterford City

STUDENT VIEW

"I loved DCG so much in school that I wanted to study something similar in College. I also find I do best under continuous assessment. I spoke with my careers teacher in school about studying Architecture and she recommended putting WIT down in the CAO because of the reputation the lecturers have. I then spoke to my parents and researched the course and the lecturers bodies of work and that's why I chose WIT."

Daniel O'Driscoll

BACHELOR OF SCIENCE IN

ARCHITECTURAL TECHNOLOGY

APPLY CAO
WD094
wit.ie/wd094

LEVEL
7

ENTRY REQUIREMENTS
5 subjects: O6/H7
English or Irish: O6/H7
Mathematics: O6/H7

DURATION
3 years

POINTS 2019
Min: 201
Range: 201 - 555

COURSE LEADER
Brian Dempsey
MCIAT MSc, BSc
Email: bdempsey@wit.ie

What is Architectural Technology?

Architectural Technology concentrates on the science of building. Architectural Technologists become specialists in preparing detailed drawings and specifications for building projects. They work closely with architects and other members of the design team.

Course Aims

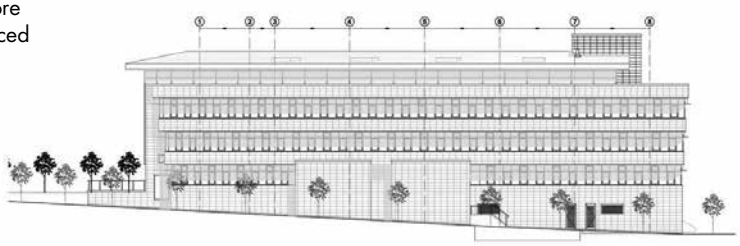
This three year course, accredited by the Chartered Institute of Architectural Technologist (CIAT), enables students to become competent in preparing construction drawings and specifications for complex building types. There is also an emphasis on environmental studies ensuring awareness of energy saving measures in detailing and construction. Students are taught various computer software packages with an emphasis on the latest Building Information Modelling tools such as Autodesk Revit from first year. They explore various graphical ways of presenting drawings. They are introduced to structures and architectural history as well as to the principles guiding construction law and professional practice.

Career Opportunities

- Architect's office
- Government department or local authorities
- Commercial firms, for instance manufacturers or suppliers in the building industry
- Setting up a company in specialist areas

Follow on Study

- BSc (Hons) in Architectural & Building Information Modelling Technology (WD195) - Year 4
- Transfer onto Bachelor of Architecture (WD144) (subject to certain procedures)



Survey of O'Connell Bianconi (Health Sciences) Building, Main Campus, WIT

COURSE OUTLINE

YEAR ONE

SEMESTER ONE
- Architectural & BIM Studio 1
- Architectural Communication & BIM 1
- Construction Technology 1
- Structures & Environment 1
- Thinking & Learning Skills

SEMESTER TWO
- Architectural & BIM Studio 2
- Architectural Communication & BIM 2
- Construction Technology 2
- Detailing the External Envelope
- Structures & Environment 2

Course outline is subject to change.

YEAR TWO

SEMESTER THREE
- Architectural & BIM Studio 3
- Architectural Communication & BIM 3
- Construction Technology 3
- Structures & Environment 3
- Understanding Architectural Design

SEMESTER FOUR
- Architectural & BIM Studio 4
- Architectural Communication & BIM 4
- Construction Technology 4
- Structures & Environment 4
- Publications 2

YEAR THREE

SEMESTER FIVE
- Architectural & BIM Studio 5
- Architectural Communication & BIM 5
- Construction Technology 5
- Professional Practice 1 (Management & Law)
- CHOOSE 1: Conservation 1 / Entrepreneurship

SEMESTER SIX
- Architectural & BIM Studio 6
- Construction Technology 6
- Building Energy Software 1
- Research Methods
- CHOOSE 1: Acoustics in the Built Environment / Intro to Project Management

STUDENT VIEW

"I took the opportunity in the first semester of 2nd year to study as an Erasmus exchange student with Haslev College, Denmark which I found very rewarding to my overall development as a technologist. WIT taught and supported us to develop our computer skills. The image above is from my final 3rd year presentation. By investing time in the emerging BIM technologies such as Revit I was able to gain employment in a large Irish Architectural Practice where these skills are in short supply across the construction industry. I am now collaborating on BIM projects across Europe."

Michael Connolly

BACHELOR OF SCIENCE (HONS) IN

ARCHITECTURAL & BUILDING INFORMATION MODELLING TECHNOLOGY

APPLY CAO **WD195**

wit.ie/wd195

LEVEL **8**

ENTRY REQUIREMENTS
2 subjects: H5
4 subjects: O6/H7
English or Irish: O6/H7
Mathematics: O5/H7

DURATION
4 years

POINTS 2019
Min: 266
Range: 266 - 462

COURSE LEADER
Brian Dempsey
MCIAT MSc, BSc
Email: bdempsey@wit.ie

What is Architectural & Building Information Modelling Technology?

Architectural and BIM Technology is an innovative approach to the integration of traditional architectural technologist skills-sets together with Building Information Modelling (BIM) processes and technologies which are currently transforming the way in which construction projects are procured, managed and built.

Course Aims

This four year programme enables students to become architectural technologists with additional advanced skills in Building Information Technology (BIM). Students will become competent in the 'science of building' and the production of construction drawings and specifications for complex building types, allowing them to become technical members of construction design teams. Students will also acquire an advanced knowledge in the application of BIM methodology which is an integrated collaborative approach for building project delivery between the relevant professionals, i.e. engineers, quantity surveyors, architectural professions and the building contractor. The inclusion of an Industrial Placement (work experience) module and modules in Project Management, Property Pathology and Refurbishment, Value Engineering and Construction Collaboration Technologies, will also enable the graduate to become an interdisciplinary practitioner within the construction industry.

Special/Unique features

The BSc (Hons) in Architectural and Building Information Modelling (BIM) Technology is the only undergraduate programme in Ireland promoting BIM at its core.

Career Opportunities

- Architectural Technologist Consultancy
- Architectural Design Office
- BIM Managers in AECDFM (Architecture - Engineering - Construction - Facilities Management) Companies
- Government Departments or Local Authorities
- Manufacturers & Suppliers for the Construction Industry.
- Research for AECFM

Follow on Study

- Masters/PhD Programmes in the School of Engineering
- MSc in Sustainable Energy Engineering
- MSc in Construction Project Management
- Higher Diploma in Building Information Modelling

COURSE OUTLINE

YEAR ONE

SEMESTER ONE
- Architectural & BIM Studio 1
- Architectural Communication & BIM 1
- Construction Technology 1
- Structures & Environment 1
- Thinking & Learning Skills

SEMESTER TWO
- Architectural & BIM Studio 2
- Architectural Communication & BIM 2
- Construction Technology 2
- Detailing the External Envelope
- Structures & Environment 2

YEAR TWO

SEMESTER THREE
- Architectural & BIM Studio 3
- Architectural Communication & BIM 3
- Construction Technology 3
- Structures & Environment 3
- Understanding Architectural Design

SEMESTER FOUR
- Architectural & BIM Studio 4
- Architectural Communication & BIM 4
- Construction Technology 4
- Structures & Environment 4
- Publications 2

YEAR THREE

SEMESTER FIVE
- Architectural & BIM Studio 5
- Architectural Communication & BIM 5
- Construction Technology 5
- Professional Practice 1 (Management & Law)

CHOOSE 1
- Conservation 1
- Entrepreneurship

SEMESTER SIX
- Building Energy Software 1
- Construction Technology 6
- Research Methods
- **Industrial Placement 1**

Or

Architectural & BIM Studio 6 and one of:
- Acoustics in the Built Environment
- Intro to Project Management

YEAR FOUR

SEMESTER SEVEN
- Architectural & BIM Studio 7
- Building Energy Software 2
- Dissertation 1
- Value Management
- **Industrial Placement 2**

SEMESTER EIGHT
- Architectural Communication & BIM 6
- Dissertation 2
- Professional Practice 2

CHOOSE 2
- Building Pathology
- Conservation 2
- Construction Collaborative Technologies
- Dynamic Thermal Simulation

Course outline is subject to change.

STUDENT VIEW

"After researching courses to do with construction, Architectural Technology caught my interest most because it combines architecture design with a more construction based approach. WIT was one of the few Institutes in Ireland which had this course option and the lecturers in WIT were teaching more innovative software and more advanced skills. WIT was also very close to home, which gave me the ability to commute by bus for my first year studying."

PJ Doyle

SCHOOL OF HEALTH SCIENCES

www.wit.ie/healthsciences

DEPARTMENT OF NURSING & HEALTH CARE

Head: Sara Kennedy RGN, RCN, BSc (Hons), MSc, PhD

DEPARTMENT OF SPORT & EXERCISE SCIENCE

Head: Michael Harrison, BSc, PGCE, MSc, PhD

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

HEAD OF SCHOOL

John Wells, PhD, MSc, BA (Hons), PG Dip (Ed), RNT, RNP

CONTACTING THE SCHOOL

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DEPARTMENTAL SECRETARIES

Fionnula Smith - Sport & Exercise Science
Tel: 051 302806
Email: fsmith@wit.ie

Breda Walsh - Nursing & Health Care
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Email: bawalsh@wit.ie

HEALTH SCIENCES AT WIT

DEPARTMENT OF NURSING & HEALTH CARE

YEAR 1	YEAR 2	YEAR 3	YEAR 4	POSTGRAD
CAO ENTRY				TAUGHT POSTGRADUATE PROGRAMMES RESEARCH MASTERS & PhD
WD116 LEVEL 8 — BSc (Hons) in General Nursing				
WD117 LEVEL 8 — BSc (Hons) in Psychiatric Nursing				
WD120 LEVEL 8 — BSc (Hons) in Intellectual Disability Nursing				
WD005 LEVEL 8 — Health Sciences (Common Entry)	WD005 HPP LEVEL 8 — BSc (Hons) in Public Health & Health Promotion			
	WD005 AHC LEVEL 8 — BSc (Hons) in Applied Health Care			→ *Transfer Year 4*
WD188 LEVEL 7 — BSc in Applied Health Care				

DEPARTMENT OF SPORT & EXERCISE SCIENCE

YEAR 1	YEAR 2	YEAR 3	YEAR 4	POSTGRAD
CAO ENTRY				TAUGHT POSTGRADUATE PROGRAMMES RESEARCH MASTERS & PhD
WD006 LEVEL 8 — Exercise Sciences (Common Entry)		WD006 ESS LEVEL 8 — BSc (Hons) in Sport & Exercise Science		
		WD006 ESN LEVEL 8 — BSc (Hons) in Nutrition & Exercise Science		
		WD006 ESH LEVEL 8 — BSc (Hons) in Health & Exercise Science		
WD186 LEVEL 8 — BSc (Hons) in Sports Coaching & Performance				
WD019 LEVEL 7 — Bachelor of Business in Recreation & Sports Management				
WD212 LEVEL 8 — Bachelor of Business (Hons) in Recreation & Sports Management				→ *Transfer Year 4*

Advanced Entry: Students who have completed all or part of a third level qualification may be eligible for entry into years other than year 1 of our courses. See www.wit.ie/advancedentry

HEALTH SCIENCES
(Common entry)

APPLY CAO
WD005
wit.ie/wd005

LEVEL
8

ENTRY REQUIREMENTS
2 subjects: H5
4 subjects: O6/H7
English or Irish: O6/H7
Mathematics: O6/H7

DURATION
4 years

POINTS 2019
Min: 288
Range: 288 - 462

COURSE LEADERS
Dr Niamh Murphy
Email: nmurphy@wit.ie
Tel: 051 302640

Dr Linda Sheahan
Email: lsheahan@wit.ie
Tel: 051 306170

Health Sciences (Common Entry)
Health care is a broad field with diverse areas of work where health science graduates can make a difference to people's lives. There are many career options across a wide range of health related industries, ranging from direct individualised care to people across the lifespan from infancy to old age, including those person with special needs, or through telehealth and telecare careers, to health care management roles or research.

Course Aims
The Common Entry Scheme is for students interested in Health Care as a career, but who may be unsure of what exact area of health care they would like to work in. WD005 is the gateway for the two Level 8 BSc (Hons) degrees in Waterford Institute of Technology, an Applied Health Care degree or a Public Health and Health Promotion degree. In these degrees, placement experiences allow the student to experience the broad field of health care and so help them choose what career paths they could take.

Year One
In the first year students get an opportunity to study areas of health care in both semesters including applied health care and health promotion and if uncertain about which area of health science to study, a decision on which area they would like to focus does not have to be made until the end of first year.

Student Study Advisor
All students are assigned a study advisor, a lecturer from the Department, and are encouraged to link with this advisor to discuss programme progress and any issues including programme options and career opportunities.

This support offers the opportunity to ask detailed questions and get individual guidance as to which discipline they could pursue. From second year onwards the student choses to study either applied health care or health promotion and public health.



O'Connell Bianconi Building, Cork Road Campus

HEALTH SCIENCES (Common Entry) DEGREE OPTIONS

COMMON ENTRY	DEGREE OPTIONS	FOLLOW ON STUDY
WD005 LEVEL 8 Health Sciences (Common Entry)	WD005 HPP LEVEL 8 BSc (Hons) in Public Health & Health Promotion	Postgraduate study at WIT MSc/PhD
	WD005 AHC LEVEL 8 BSc (Hons) in Applied Health Care	

BACHELOR OF SCIENCE (HONS) IN

PUBLIC HEALTH AND HEALTH PROMOTION

WD005 HPP

DEGREE OPTION
FROM WD005

wit.ie/wd005HPP

LEVEL
8

ENTRY ROUTE

WD005: Health Sciences (Common entry)

DURATION
4 years

COURSE LEADER
Dr Niamh Murphy
Email: nmurphy@wit.ie
Tel: 051 302640

Course Aims

By undertaking the BSc (Hons) in Public Health and Health Promotion at WIT you will become an accredited public health and health promotion practitioner and enjoy a diverse career helping to improve the health and wellbeing of individuals and populations.

The course develops the skills and competencies in students to support individuals and communities to live healthier and happier lives. You will study nutrition and learn the science behind a healthy diet, how to analyse the diet and promote dietary change. Students will learn practical facilitation and behaviour change skills and how to be an excellent communicator. In addition, students will learn how to be an excellent consumer of research and how to conduct research, to develop, implement and evaluate health interventions and campaigns and will have the opportunity to apply their skills in a practical setting. Students will also learn about the body, human disease, and how to conduct health screening and measurement. Students will learn about social justice, inequality, policy and public health, and how to work with state agencies, local government, NGOs and communities to build capacity for better health.

Accreditation

The programme is accredited under the International Union of Health Promotion and Education (IUHPE) Health Promotion Accreditation System. When you graduate your qualification will be recognised worldwide.

Work Placement

There is a 16 week placement in third year of the course.This introduces the student to practical health promotion settings and provides the student with a broader skill base. Students have been placed in the following settings: Health Service Executive, Health Promotion Depts, Youth Services, Adolescent Health and Information Projects, Community Projects and Adult Education Service, V.E.C.s. International placement & options to study abroad may also be available.

Your Peers

You will work in small groups with close attention from well qualified staff. Students take part in a peer to peer (P2P) programme that is run within WIT. You also get a chance to take part in Department events (table quiz) and help out with health initiatives on and off campus with your peer group.

The Staff

The staff in WIT are highly qualified, active practitioners and have excellent community, practice and research links.

Career Opportunities

- Occupational Therapist, Physiotherapist, Dietician or Nutritionist
- Health Promotion and Improvement Officer
- Youth or community worker
- Health researcher
- Health services
- Workplace health promotion/occupational health
- Health screening and lifestyle counselling
- Private health company
- Overseas development
- Health promotion for special population groups –homeless, drugs, older adult, young offenders

Follow on Study

Opportunities for postgraduate research study in WIT in the health promotion field & in Social, Personal & Health Education (SPHE).

COURSE OUTLINE

YEAR ONE

SEMESTER ONE
- Anatomy and Physiology 1
- Care of the Older Adult
- Psychology of Health
- Health Care Informatics
- Learning to Learn
- Life Skills for Health and Wellbeing

SEMESTER TWO
- Anatomy and Physiology 2
- Fundamentals of Care 1
- Medical Surgical Care
- Principles of Health Promotion
- Placement 1

YEAR TWO

SEMESTER THREE
- Health Promotion in Key Settings
- Communication and Media Skills
- Introduction to Epidemiology & Public Health
- Nutrition: Vitamins & Minerals
- Sociology of Health
- Basic Facilitation Skills for Health and Well Being

SEMESTER FOUR
- Active Citizenship
- Practical Media Skills
- Introduction to Mental Health
- Health Screening
- Nutrition: Energy & Macro-Nutrients
- Intro to Research Methods & Statistics

YEAR THREE

SEMESTER FIVE
- Motivational Interviewing
- Lifestyle and Health
- Placement 2

SEMESTER SIX
- Promoting Population Physical Activity
- Promoting Health in Children and Young People
- Equality and Inclusion
- Advanced Research Methods and Stats
- Promoting Health in Older Adults
- Connected Health
- Addiction and Substance Misuse

YEAR FOUR

SEMESTER SEVEN
- Dissertation 1
- Public Health 1
- Managing Health Promotion Campaigns
- Applied Behaviour Change

CHOOSE 1
- Experiential Group Work for Health & Well-being
- Gender Specific Health Promotion
- Health Psychology
- Nutrition for Special Population Groups
- Technician Roles in Applied Health Care

SEMESTER EIGHT
- Dissertation 2
- Public Health 2
- Environment and Health

CHOOSE 1
- Youth Work and Youth At Risk
- Facilitation Skills for Health and Well-Being
- Workplace Health Promotion
- Disabilities & Advocacy
- Promoting Recovery in Mental Health Care

Course outline is subject to change.

BACHELOR OF SCIENCE (HONS) IN

APPLIED HEALTH CARE

WD005 AHC

DEGREE OPTION
FROM WD005

wit.ie/wd005AHC

LEVEL
8

ENTRY ROUTE

WD005: Health Sciences (Common entry)

DURATION
4 years

COURSE LEADER
Dr Louise Bennett
Email: lbennett@wit.ie
Tel: 051 845558

Course Aims

The Bachelor of Science (Hons) in Applied Health Care is a four year honours degree course which allows the student to develop as a self-aware, reflective graduate who is a confident practitioner and able to integrate and use their knowledge, skills and attitudes in a variety of health care situations and contexts by applying the best available evidence for their practice.

Unique Features

The modules included address areas of knowledge and skills that will prepare the graduate for a career in range of health care areas. Key areas of study include care skills, mental health and recovery, sociology and psychology related to health care, ethical and legal issues, disability and palliative care.

Students will complete a relevant work placement as part of the course, which allows you to put theory into practice. Prior to going on placement, students will be required to have satisfactory Garda Vetting/Police Clearance, Mandatory Training (including CPR, Manual Handling) and Occupational Health clearance. This will be coordinated by WIT staff.

Health care delivery is changing and there are now emerging roles in the multi-professional delivery of health care. Therefore the module 'Technician Roles in Applied Health Care' will support the student to explore these emerging roles and how they may interact with these in their careers.

There are also evidence based practice/research modules. Inclusion of evidence based practice and research in this programme enables the student to develop critical thinking and analytical skills so as to be able to critically examine the evidence base in the area of applied health care.

The student will also study management and leadership in health care and through this module will explore both the theoretical aspects of management and leadership but also will focus on how this knowledge can be utilised in health care practice. The management and leadership modules will enable them in become involved in both management of their own workload, but also to become involved in supervision of others.

Career Opportunities

On graduation students will be equipped with a range of skills and may seek employment in the following areas: Medical technicians, phlebotomist, practice managers, carers, E-health, case load managers and research.

Follow on Study

Students can access postgraduate MSc programmes in health care and further opportunities for postgraduate research are also available.

COURSE OUTLINE

YEAR ONE

SEMESTER ONE
- Learning to Learn
- Care of the Older Adult
- Psychology for Health Care
- Anatomy & Physiology 1
- Introduction to Healthcare Informatics
- Lifeskills for Health & Wellbeing

SEMESTER TWO
- Principles of Health Promotion
- Fundamentals of Care 1
- Medical Surgery Care 1
- Anatomy & Physiology 2
- Placement 1

YEAR TWO

SEMESTER THREE
- Fundamentals of Care 2
- Pharmacology for Health Care 1
- Medical Surgical 2
- Placement 2

SEMESTER FOUR
- Professional Development & Community
- Medical Surgical Care 3

CHOOSE 2
- Pharmacology for Health Care 2
- Activity Co-ordination for Older Adult
- Nutrition for Health
- Introduction to Mental Health Care

- Placement 3

YEAR THREE

SEMESTER FIVE
- Introduction to Evidence Based Health Care
- Introduction to Intellectual Disability Care

CHOOSE 1
- Applying Psychology & Sociology to Health Care
- Medical Surgical Care 4

- Placement 4

SEMESTER SIX
- Management of Care
- Management of Care Placement
- Connected Health

CHOOSE 1
- Maternal & Newborn Health
- Health & Wellbeing

YEAR FOUR

SEMESTER SEVEN
- Evidence Based Applied Health Care 1
- Managing and Leading in Health Care
- Ethical and Legal Issues in Applied Health Care
- Technical Roles in Applied Health Care

SEMESTER EIGHT
- Evidence Based Applied Health Care 2
- Utilising Health Promotion in Applied Health Care
- Disabilities and Advocacy
- Promoting Recovery in Mental Health Care
- Palliative Care for Health Carers

Course outline is subject to change.

STUDENT VIEW

"Studying the BSc (Hons) in Applied Health Care has led to many great benefits in both my personal and academic life. I have gained a variety of new skills in WIT and while on work placement which will assist me whilst working in the health care industry both nationally and internationally. WIT has a student orientated campus and a warm, friendly and professional studying environment."

Jessica Benson

BACHELOR OF SCIENCE IN

APPLIED HEALTH CARE

APPLY CAO
WD188
wit.ie/wd188

LEVEL
7

ENTRY REQUIREMENTS
5 subjects: O6/H7
English or Irish: O6/H7
Mathematics: O6/H7

DURATION
3 years

POINTS 2019
Min: 206
Range: 206 - 578

COURSE LEADER
Dr Annette Murphy
Email: acmurphy@wit.ie
Tel: 051 302853

Course Aims

The BSc in Applied Health Care is aimed at students interested in health care delivery and applied health care. The underpinning philosophy of the programme is to ensure that all personnel working in health care are appropriately educated and trained to deliver safe care to patients in a range of health care settings.

The course aims to develop self-aware, reflective graduates, who will be confident in their delivery of health care. Graduates may be involved in the organisation and or delivery of direct health care in hospitals, community care, general practice, the pharmaceutical industry and health research. The course also prepares students for the emerging area of internet and telephone health care delivery.

International Links with Columbus Technical College, United States

Graduates of the BSc in Applied Health Care have the opportunity to progress to Columbus Technical College and pursue further education in the field of nursing and continue further studies to become a US registered nurse.

Special Features

Students will complete a relevant work placement during each year of the course, which allows you to put theory into practice. Prior to going on placement, students will be required to have satisfactory Garda Vetting/Police Clearance, Mandatory Training (CPR, Manual Handling) and Occupational Health. This will be coordinated by WIT staff.

Career Opportunities

Graduates may gain employment in the following areas:

- Applied health care provision in a variety of settings including hospitals, clinics, community care settings and nursing homes
- Managing & coordinating General Practices
- Sales representatives in the pharmaceutical industry
- Delivery of health care in the emerging telehealth industry
- Health research
- Postgraduate study

Follow on Study

Bachelor of Science (Hons) in Applied Health Care (WD005 AHC) - Year 4

COURSE OUTLINE

YEAR ONE

SEMESTER ONE
- Learning to Learn
- Care of the Older Adult
- Psychology for Health Care
- Anatomy & Physiology 1
- Introduction to Healthcare Informatics
- Lifeskills for Health & Wellbeing

SEMESTER TWO
- Principles of Health Promotion
- Fundamentals of Care 1
- Medical Surgery Care 1
- Anatomy & Physiology 2
- Placement 1

YEAR TWO

SEMESTER THREE
- Fundamentals of Care 2
- Pharmacology for Health Care 1
- Medical Surgical 2
- Placement 2

SEMESTER FOUR
- Professional Development & Community
- Medical Surgical Care 3

CHOOSE 2
- Pharmacology for Health Care 2
- Activity Co-ordination for Older Adult
- Nutrition for Health
- Introduction to Mental Health Care

- Placement 3

YEAR THREE

SEMESTER FIVE
- Introduction to Evidence Based Health Care
- Introduction to Intellectual Disability Care

CHOOSE 1
- Applying Psychology & Sociology to Health Care
- Medical Surgical Care 4

- Placement 4

SEMESTER SIX
- Management of Care
- Management of Care Placement
- Connected Health

CHOOSE 1
- Maternal & Newborn Health
- Health & Wellbeing

Course outline is subject to change.

STUDENT VIEW

"I wasn't sure what area of health care I wanted to go into leading up to the completion of my Leaving Cert until I found out about the BSc in Applied Health Care. This course gives you an insight into every area of health care via both lectures and work placement. In first year I completed a placement in a Care of the Older Adult setting whilst in second year I completed my placement in a General Practice."

Aaron Donnelly

BACHELOR OF SCIENCE (HONS) IN

GENERAL NURSING

APPLY CAO
WD116
wit.ie/wd116

LEVEL
8

ENTRY REQUIREMENTS
2 subjects: H5
4 subjects: O6/H7
English or Irish: O6/H7
Mathematics: O6/H7
Science: O6/H7

COURSE REQUIREMENTS
Biology, physics, chemistry, physics & chemistry (joint) or agricultural science are accepted as a science subject. The minimum educational requirements may be accumulated over not more than two sittings of the leaving certificate examination or an equivalent examination. Garda Clearance & Occupational Health Clearance required.

POINTS 2019
Min: 413
Range: 413 - 534

DURATION
4 years

COURSE LEADER
Dr Catherine Madden
Email: cmadden@wit.ie

What is General Nursing?

General nurses work as part of a multidisciplinary team in promoting and maintaining health of individuals, families and communities and in systematically caring for those who develop health problems and supporting them to live their lives to their maximum potential.

Course Aims

Nursing is an excellent choice for students interested in a health care career. Because human beings are complex, careers in nursing are amongst the most challenging; they are also some of the most rewarding. Once graduated, your qualifications will take you anywhere in the world. The General Nursing Course is delivered in a purpose-built, state-of-the-art learning environment and students undertake clinical practice in many hospitals throughout the south east region. You will be taught over four years through a model that we call KSVSE (Knowledge, Science, Values and Attitudes, Skills and Experience). Successfully completing all aspects of the course allows you to register as a General Nurse with An Bord Altranais.

Clinical Placements

Clinical experience is an essential element of the course in order to register as a general nurse. There are over 81 weeks of clinical placement throughout the course including a 36 week continuous internship placement in year four. Students will be accommodated on clinical placements in Wexford, Carlow, Waterford, Kilkenny and South Tipperary.

Career Opportunities

Graduates may apply for positions at staff nurse grade within the Irish health care sector. Universally Irish nurses are highly regarded in other countries thus enhancing work opportunities.

Postgraduate Opportunities

Graduates who wish to pursue a career in specialist nursing can apply for Higher Diploma courses/MSc in areas such as gerontology, coronary care, intensive care, peri-operative care, paediatric nursing and accident and emergency nursing. Alternatively graduates may choose to pursue advanced studies in nursing education or nursing management.

COURSE OUTLINE

YEAR ONE

SEMESTER ONE
- Anatomy and Physiology 1
- General Nursing Skills and Experience 1
- Introduction to General Nursing 1
- Learning to Learn
- Personal and Professional Development
- Professional and Personal Safety 1

SEMESTER TWO
- Anatomy and Physiology 2
- Fundamentals of General Nursing
- Health and Psychosocial Studies 1
- Introduction to Evidence Based Practice 1
- Medication Management 1
- Nursing Experience 2

YEAR TWO

SEMESTER THREE
- Introduction to Pathophysiology
- Health and Psychosocial Studies 2
- Medication Management 2
- Nursing Experience 3
- Nursing in the Community
- Specialist practice:
- Nursing knowledge and skills

SEMESTER FOUR
- Ethical, Legal and Political Issues in General Nursing
- Evidence Based Practice 2
- Medical and Surgical Nursing 1
- Developing Nursing Skills
- Nursing Experience 4

YEAR THREE

SEMESTER FIVE
- Chronic Illness Management and Care of the Older Adult
- Medication Management 3
- Nursing Experience 5
- Professional and Patient Safety 3

SEMESTER SIX
- Applied Pathophysiology
- Evidence Based Practice 3
- Management and Leadership in Healthcare
- Medical and Surgical Nursing 2
- Enhancing Nursing Skills
- Nursing Experience 6

YEAR FOUR

SEMESTER SEVEN
- Cancer and Palliative Nursing Care
- Consolidation of Nursing Skills for Professional Practice
- Health and Psychosocial Studies 3
- Nurse as Educator in Practice / Preceptorship
- Nursing Experience 7
- Professional and Patient Safety

SEMESTER EIGHT
- Consolidation of Knowledge Science Values and Attitudes, Skills and Experience through Clinical Internship. This is a 36 week placement within the South East.

STUDENT VIEW

"WIT's Department of Nursing and Health Care provides state of the art facilities for carrying out practical skills. The course content is taught in small groups, allowing opportunities to develop better relationships with lecturers and peers. From the first I found WIT to be friendly and homely. The campus has everything a student requires, both academically and socially. WIT emailed students about the Student Entrepreneur awards 2016 and I was immediately drawn to it. It was a real opportunity to go forward with one of my ideas while on placement. I have thoroughly enjoyed being involved in the competition. It has opened many doors which I never dreamed possible. I have now recently graduated and am working in an acute emergency department, which I just love."

Chloe Byrne

BACHELOR OF SCIENCE (HONS) IN

PSYCHIATRIC NURSING

APPLY CAO
WD117
wit.ie/wd117

LEVEL
8

ENTRY REQUIREMENTS
2 subjects: H5
4 subjects: O6/H7
English or Irish: O6/H7
Mathematics: O6/H7
Science: O6/H7

COURSE REQUIREMENTS
Biology, physics, chemistry, physics & chemistry (joint) or agricultural science are accepted as a science subject. The minimum educational requirements may be accumulated over not more than two sittings of the leaving certificate examination or an equivalent examination. Garda Clearance & Occupational Health Clearance required.

POINTS 2019
Min: 361
Range: 361 - 522

DURATION
4 years

COURSE LEADER
Jennifer Cunningham
MSc, BSc (Hons), RPN
Email: jcunningham@wit.ie
Tel: 051 845540

What is Psychiatric Nursing?

Psychiatric/Mental Health nursing is a specialist field within the health care profession. It involves an interpersonal caring process which acknowledges the uniqueness of each person. The psychiatric nurse is concerned with the promotion of mental health, the prevention of mental illness and the provision of care to those with mental health problems.

Course Aims

Nursing is an excellent choice for students interested in a health care career. Because human beings are complex, careers in nursing are amongst the most challenging; they are also some of the most rewarding. The Psychiatric Nursing Course is delivered in a purpose-built, state-of-the-art learning environment and students undertake clinical practice in hospitals around the south east region. You will be taught over four years through a model that we call KSVSE (Knowledge, Science, Values and Attitudes, Skills and Experience). Successfully completing all aspects of the course allows you to register as a Psychiatric Nurse with An Bord Altranais.

Clinical Placements

Clinical experience is an essential element of the course in order to register as a psychiatric nurse. There are over 81 weeks of clinical placement throughout the course including a 36 week continuous internship placement in year four. Students will be accommodated on clinical placements in Wexford, Waterford, Kilkenny, Carlow and South Tipperary.

Career Opportunities

Graduates may apply for positions at staff nurse grade within the Irish health care sector. Universally Irish nurses are highly regarded by other countries thus enhancing work opportunities.

Postgraduate Opportunities

Following qualification it is possible to specialise in a number of areas within psychiatric nursing - Cognitive Therapy, Behavioural Therapy, Adolescent Psychiatric Nursing, Eating Disorders, Psychiatric Nursing of Old Age, Forensic Psychiatric Nursing, Addiction Counselling at Higher Diploma or MSc level. Alternatively graduates may choose to pursue advanced studies in nursing education or nursing management.

COURSE OUTLINE

YEAR ONE

SEMESTER ONE
- Anatomy Physiology 1
- Fundamental Nursing Skills and Psychiatric Nursing Experience
- Introduction to Psychiatric Nursing
- Learning to Learn
- Personal and Professional Development
- Professional and Personal Safety 1

SEMESTER TWO
- Altered Mood and Perception
- Anatomy and Physiology 2
- Health and Psychosocial Studies1
- Introduction to Evidence Based Practice 1
- Medication Management 1
- Psychiatric Nursing Experience 2

YEAR TWO

SEMESTER THREE
- Child and Adolescent Mental Health Disorders
- Essential Nursing Skills: Specialist Groups
- Health and Psychosocial Studies 2
- Introduction to Pathophysiology
- Nursing the Person with a Physical Illness
- Psychiatric Nursing Experience 3

SEMESTER FOUR
- Ethical, Legal and Political Issues in Mental Health Nursing
- Evidence Based Practice 2
- Nursing Mental Health Conditions In the Adult
- Psychiatric Nursing Experience 4
- Psychiatric Nursing and Medication Management

YEAR THREE

SEMESTER FIVE
- Neuroendocrine Pathophysiology
- Nursing Experience 5
- Nursing Psychiatric Disorders in Later Life
- Psychiatric Medication Management
- Recovery and Social Inclusion

SEMESTER SIX
- Evidence Based Practice 3
- Integrated Psychiatric and Mental Health Nursing Skills1
- Management and Leadership in Healthcare
- Professional and Patient Safety
- Psychiatric Nursing Experience
- Substance Misuse, Addictions and Nursing Interventions

YEAR FOUR

SEMESTER SEVEN
- Contemporary issues in Acute and Community Setting
- Health and Psychosocial Studies 3
- Integrated Psychiatric and Mental Health Nursing Skills 2
- Nurse as Educator in Practice / Preceptorship
- Pre-internship Nursing Experience 7

SEMESTER EIGHT
- Consolidation of Knowledge Science Values and Attitudes, Skills and Experience through Clinical Internship. This is a 36 week placement within the South East.

STUDENT VIEW

"Studying psychiatric nursing at WIT is a fantastic experience both academically and socially. The college has excellent facilities which provide a great learning environment. The lecturers are at hand always to provide support and guidance. The course consists of both clinical placement and college time, which gives a good mix of theory and practical learning. I definitely made the right choice in attending WIT to study psychiatric nursing."

Emma Byrne

BACHELOR OF SCIENCE (HONS) IN

INTELLECTUAL DISABILITY NURSING

APPLY CAO
WD120
wit.ie/wd120

LEVEL
8

ENTRY REQUIREMENTS
2 subjects: H5
4 subjects: O6/H7
English or Irish: O6/H7
Mathematics: O6/H7
Science: O6/H7

COURSE REQUIREMENTS
Biology, physics, chemistry, physics & chemistry (joint) or agricultural science are accepted as a science subject. The minimum educational requirements may be accumulated over not more than two sittings of the leaving certificate examination or an equivalent examination. Garda Clearance & Occupational Health Clearance required.

POINTS 2019
Min: 338
Range: 338 - 400

DURATION
4 years

COURSE LEADER
Dr Sinéad Foran
Email: sforan@wit.ie
Tel: 051 306187

What is Intellectual Disability Nursing?

Intellectual Disability nursing is seen as a speciality field of nursing that provides holistic care to persons with an intellectual disability. Intellectual disability nurses work as part of a trandisciplinary team in order to enable and empower people with intellectual disabilities to achieve their full potential.

Course Aims

Nursing is an excellent choice for students interested in a health care career. Because human beings are complex, careers in nursing are amongst the most challenging; they are also some of the most rewarding. The Intellectual Nursing Course is delivered in a purpose-built, state-of-the-art learning environment and students undertake clinical practice around the south east region. You will be taught over four years through a model that we call KSVSE (Knowledge, Science, Values and Attitudes, Skills and Experience). Successfully completing all aspects of the course allows you to register as an Intellectual Disability Nurse with An Bord Altranais.

Clinical Placements

Clinical experience is an essential element of the course in order to register as an Intellectual Disability nurse. There are over 81 weeks of clinical placement throughout the course including a 36 week continuous internship placement in year four. Students will be accommodated on clinical placements in Wexford, Waterford, Kilkenny, Carlow and South Tipperary.

Career Opportunities

Graduates may practice as a Registered Intellectual Disability Nurse within the Irish health care sector and voluntary services. Universally Irish nurses are highly regarded by other countries thus enhancing work opportunities.

Postgraduate Opportunities

Following qualification it is possible to specialise in a number of areas within intellectual disability nursing i.e. challenging behaviour, multiple and complex disabilities. Alternatively graduates may choose to pursue advanced studies in nursing education or nursing management.

COURSE OUTLINE

YEAR ONE

SEMESTER ONE
- Anatomy and Physiology 1
- Intellectual Disability Nursing Skills and Experience
- Introduction to Intellectual Disabilities Nursing
- Learning to Learn
- Personal and Professional Development
- Professional and Personal Safety 1

SEMESTER TWO
- Anatomy and Physiology 2
- Caring for People with Intellectual Disabilities
- Health and Psychosocial Studies 1
- Introduction to Evidence Based Practice 1
- Medication Management 1
- Nursing Experience 2

YEAR TWO

SEMESTER THREE
- Health and Psychosocial Studies 2
- Introduction to Pathophysiology
- Medication Management 2
- Nursing Experience 3
- Nursing Skills for Acute Care
- Supporting People with Mental Health Problems

SEMESTER FOUR
- Ethical, Legal and Political issues in Intellectual Disabilities
- Evidence Based Practice 2
- Nursing Experience 4
- Nursing Skills
- Supporting the Adolescent with Intellectual Disabilities

YEAR THREE

SEMESTER FIVE
- Applied Pathophysiology
- Behavioural Approaches in Intellectual Disabilities
- Nursing Experience 5
- Professional and Client Safety 3

SEMESTER SIX
- Evidence Based Practice 3
- Health Assessment Through the Lifespan
- Management and Leadership in Healthcare
- Medication Management 3
- Nursing Experience 6
- Supporting the Adult and Older Adult with Intellectual Disabilities

YEAR FOUR

SEMESTER SEVEN
- Consolidation of Nursing Skills for ID Practice
- Contemporary Issues in Intellectual Disability Nursing
- Health Promotion for People with Intellectual Disabilities
- Health and Psychosocial Studies 3
- Nurse as Educator in Practice / Preceptorship
- Nursing Experience 7

SEMESTER EIGHT
- Consolidation of Knowledge Science Values and Attitudes, Skills and Experience through Clinical Internship. This is a 36 week placement within the South East.

STUDENT VIEW

"The best part of the programme has definitely been the clinical placement which has given me a chance to gain much needed hands on experience. I've had the opportunity to work with both adults and children with varying levels of intellectual disabilities, in a range of services all across the south east. I enjoy my lectures when I'm in college and all the staff in the Department of Nursing and Health Care are approachable and helpful."

Ciaran Murphy

EXERCISE SCIENCES
(Common entry)

APPLY CAO
WD006
wit.ie/wd006

LEVEL
8

ENTRY REQUIREMENTS
2 subjects: H5
4 subjects: O6/H7
English or Irish: O6/H7
Mathematics: O6/H7

DURATION
4 years

POINTS 2019
Min: 282
Range: 282 - 484

COURSE LEADER
Dr Barry Lambe
BSc, MSc, MA, PhD
Email: blambe@wit.ie
Tel: 051 302158

What does Exercise Sciences Common Entry mean?
Students will have the opportunity to study the main components of Exercise Science for two years before they decide on their specialist degree. As such, you only need to decide that you want to study in the area of Exercise Sciences on entry to college and will decide at the end of your second year of study which degree you want to specialise in. On successful completion of the two year Common Entry students will have the option of studying for a Level 8 degree in either Sport & Exercise Science, Nutrition & Exercise Science or Health & Exercise Science.

Course Aims
The broad nature of the first two years of this degree programme aims to provide students with an exciting educational experience in Exercise Science in both the classroom and practical setting. It also aims to give students the opportunity to sample areas of specialism and to learn about the wide range of career opportunities available in the specialist areas before deciding on a career path.

Student Support
The Department of Sport and Exercise Science places particular importance on its support for students throughout their educational experience. Throughout your time on the programme you will have direct access to the advice of recognised leaders in the field of exercise science and in the specialist degree areas in order to explore your options and help you come to a decision as to which specialist degree is going to support you most effectively in achieving your post graduate career ambitions.

Your Choice of Specialist Pathway
Exercise Sciences (Common Entry) has three specialist degrees options. Towards the end of your second year of the common entry degree programme you will be asked to select one of them to study in order to obtain your final award:

For the Level 8 award of a **BSc (Hons) in Sport & Exercise Science** over the course of the final two years of your degree you will study, in depth such areas as Conditioning for Performance Sport, Science of Elite Sports Performance and Sports Medicine to name but three (see page 58 for full Course Outline), as well as doing a significant research project in your final year of study. In the first semester of your final year you will have the exciting opportunity to complete a 12-week work based placement.

For the Level 8 award of a **BSc (Hons) in Nutrition & Exercise Science** over the course of the final two years of your degree you will study, in depth such areas as Assessment for Nutritional Status, Nutrition for Sports Performance and Sport and Exercise Nutrition to name but three (see page 59 for full Course Outline), as well as doing a significant research project in your final year of study. In the first semester of your final year you will have the exciting opportunity to complete a 12-week work based placement.

For the Level 8 award of a **BSc (Hons) in Health & Exercise Science** over the course of the final two years of your degree you will study, in depth such areas as Physical Activity Assessment and Evaluation, Nutrition for Health and Advanced Sport & Exercise Physiology to name but three (see page 60 for full Course Outline), as well as doing a significant research project in your final year of study. In the first semester of your final year you will have the exciting opportunity to complete a 12-week work based placement.

EXERCISE SCIENCES (Common Entry) DEGREE OPTIONS

STUDENT VIEW

"I chose Exercise Science as I knew that I wanted to go down the route of working in the sport industry in some capacity when I finish college. On signing up for this course, I knew that I would be able to get an array of knowledge in many subjects such as Nutrition, Sports Psychology and Exercise Physiology & Exercise Medicine. Other key factors in my decision were the top class facilities and lecturers that the Department of Sport & Exercise Science has to offer.

Gavin Young

BACHELOR OF SCIENCE (HONS) IN

SPORT & EXERCISE SCIENCE

WD006 ESS

DEGREE OPTION
FROM WD006

wit.ie/wd006ESS

LEVEL
8

ENTRY ROUTE

WD006: Exercise Sciences (Common entry)

DURATION
4 years

COURSE LEADER
Dr Sarah Jane Cullen
BSc, MSc, PhD
Email: sjcullen@wit.ie
Tel: 051 834109

Course Aims

This course is a 4-year honours degree programme that combines the sport science discipline areas of physiology, biomechanics, psychology, strength and conditioning, nutrition and performance analysis. The course aims to give students the knowledge and practical skills to understand and enhance sport and exercise performance of athletes and teams.

Career Opportunities

Some careers below require follow-on postgraduate study.

- Sport Scientist to athletes and teams (Exercise physiologist, Biomechanist)
- Strength and Conditioning Coach
- Performance Analyst
- Sports Psychologist
- Sport and Exercise Nutritionist
- Sport and Exercise Rehabilitation
- Fitness Sector: Gym Instructor or Personal Trainer
- Sports Development Officer

Unique features of this course

1. The BSc in Sport and Exercise Science is part of the Exercise Science common entry programme. That means that after your second year you can change your mind and switch into either the BSc in Health and Exercise Science or the BSc in Nutrition and Exercise Science.
2. There are several additional REPS accredited qualifications built into the programme achieved after year 2. These are basic fitness instruction, group fitness instruction, personal training.
3. There is a 12 week work placement in the final year of the programme to help students develop and refine knowledge and skills in the area of Sport and Exercise Science.
4. A unique module with a focus on professional practice and social media is placed in the final year of this degree course to help students truly market themselves and be present in the changing times where technology is at the forefront.

Approaches to student teaching and assessment

The programme uses a varied approach to teaching with a mixture of classroom and online learning, guest lectures and field trips combined with practical experience through exercise science laboratories and work experience. A breakdown into smaller class groups for practical classes enhances student enjoyment and engagement. Assessment approaches include continuous assessment, examination, group work, presentations and performance practicals.

Follow on Study

Opportunities exist within the Department of Sport and Exercise Science for post graduate study through either taught Masters programmes or research degrees at Masters and Doctoral level.

COURSE OUTLINE

YEAR ONE

SEMESTER ONE
- Fitness and Movement
- Functional Anatomy & Kinesiology
- Promoting Physical Activity
- Research & Learning
- Human Physiology
- Introduction to Sport Psychology

SEMESTER TWO
- Sport & Exercise Biomechanics 1
- Introduction to Exercise Psychology
- Biochemistry & Cell Physiology
- Strength & Conditioning
- Data & Measurement
- Business for Exercise Professional

YEAR TWO

SEMESTER THREE
- Exercise Prescription for Program Design 1
- Motivational Interviewing
- Nutrition 1
- Physical Activity Interventions
- Sport Psychology and Skill Acquisition
- Teaching for Exercise Professional

SEMESTER FOUR
- Exercise Physiology
- Research Methods & Statistics
- Nutrition 2
- Group Fitness Instruction
- Exercise Prescription for Programme Design 2
- Positive Psychology

YEAR THREE

SEMESTER FIVE
- Sport & Exercise Biomechanics 2
- Applied Sport and Exercise Physiology
- Conditioning for Performance Sport
- Advanced Performance Analysis
- Contemporary Issues in Sport & Exercise Science
- Sport & Exercise Nutrition

SEMESTER SIX
- Major Project 1
- Applied Biomechanics
- Exercise Psychology in Practice
- Science of Elite Sport Performance
- Sports Medicine

YEAR FOUR

SEMESTER SEVEN
- Placement

SEMESTER EIGHT
- Major Project II
- Professional Practice and Social Media
- Ergogenic Aids in Sport & Performance
- Sport Psychology in Practice
- Advanced Sport & Exercise Physiology

Course outline is subject to change.

BACHELOR OF SCIENCE (HONS) IN

NUTRITION & EXERCISE SCIENCE

WD006 ESN

DEGREE OPTION
FROM WD006

wit.ie/wd006ESN

LEVEL
8

ENTRY ROUTE

WD006: Exercise Sciences (Common entry)

DURATION
4 years

COURSE LEADER
Dr Lorna Doyle
BSc, MSc, PhD
Email: lmdoyle@wit.ie
Tel: 051 834133

Course Aims

This course in Nutrition and Exercise Science is a 4-year honours degree programme that combines the study areas of nutrition, physiology, psychology, biomechanics, fitness and performance and physical activity. The course aims to give students the knowledge and practical skills needed to provide nutritional advice to support health, exercise and sport performance.

Career Opportunities

- Weight management consultant
- Sport and Exercise nutritionist/consultant
- Nutritionist
- Sport Scientist (Exercise physiologist)
- Personal Trainer
- Researcher in Sport Nutrition Industry

Unique features of this course

1. The BSc in Nutrition and Exercise Science is part of the Exercise Science common entry programme. That means that after your second year you can change your mind and switch into either the BSc in Sport and Exercise Science or the BSc in Health and Exercise Science.
2. There are several additional REPS accredited qualifications built into the programme achieved after year 2. These are basic fitness instruction, group fitness instruction, personal training.
3. There is a 12 week work placement in the final year of the programme to help students develop and refine knowledge and skills in the area of Nutrition and Exercise Science.
4. A unique module with a focus on professional practice and social media is placed in the final year of this degree course to help students truly market themselves and be present in the changing times where technology is at the forefront.

Approaches to student teaching and assessment

The programme uses a varied approach to teaching with a mixture of classroom and online learning, guest lectures and field trips combined with practical experience through nutrition and sports nutrition laboratories and work experience. A breakdown into smaller class groups for practical classes enhances student enjoyment and engagement. Assessment approaches include continuous assessment, examination, group work, presentations and performance practicals.

Follow on Study

Opportunities exist within the Department of Sport and Exercise Science for post graduate study through either taught Masters programmes or research degrees at Masters and Doctoral level.

COURSE OUTLINE

YEAR ONE

SEMESTER ONE
- Fitness and Movement
- Functional Anatomy & Kinesiology
- Promoting Physical Activity
- Research & Learning
- Human Physiology
- Introduction to Sport Psychology

SEMESTER TWO
- Sport & Exercise Biomechanics 1
- Introduction to Exercise Psychology
- Biochemistry & Cell Physiology
- Strength & Conditioning
- Data & Measurement
- Business for Exercise Professional

YEAR TWO

SEMESTER THREE
- Exercise Prescription for Program Design 1
- Motivational Interviewing
- Nutrition 1
- Physical Activity Interventions
- Sport Psychology and Skill Acquisition
- Teaching for Exercise Professional

SEMESTER FOUR
- Exercise Physiology
- Research Methods & Statistics
- Nutrition 2
- Group Fitness Instruction
- Exercise Prescription for Programme Design 2
- Positive Psychology

YEAR THREE

SEMESTER FIVE
- Weight Management
- Assessment for Nutritional Status
- Sport and Exercise Nutrition
- Applied Sport and Exercise Physiology
- Pathophysiology of Disease

SEMESTER SIX
- Major Project 1
- Applied Sports Nutrition
- Food Components & Health
- Food Technology and Safety
- Nutrition for the Life Cycle
- CHOOSE 1: Exercise Psychology in Practice / Exercise as Medicine

YEAR FOUR

SEMESTER SEVEN
- Placement

SEMESTER EIGHT
- Major Project II
- Ergogenic Aids in Sport & Performance
- Sports Nutrition for Special Populations
- Professional Practice and Social Media
- Advanced Sport & Exercise Physiology
- Exercise as Medicine 2

Course outline is subject to change.

BACHELOR OF SCIENCE (HONS) IN

HEALTH & EXERCISE SCIENCE

WD006 ESH

DEGREE OPTION
FROM WD006

wit.ie/wd006ESH

LEVEL
8

ENTRY ROUTE

WD006: Exercise Science (Common entry)

DURATION
4 years

COURSE LEADER
Dr Barry Lambe
BSc, MSc, MA, PhD
Email: blambe@wit.ie
Tel: 051 302158

Course Aims

This course is a 4-year honours degree programme that combines the study areas of physiology, psychology, biomechanics, fitness and performance, nutrition and physical activity. The course aims to give students real world practical skills in exercise science so that they can work to improve individuals' health and wellbeing.

Career Opportunities

- Weight Management Consultant
- Exercise for Health Specialist
- Sports Development Officer
- Physical activity promotion officer with local sports partnerships, the HSE, community groups and youth services
- Active travel officer with local authorities
- Adapted Physical Activity specialist
- Sport Scientist (Exercise physiologist)
- Cardiac / Exercise Rehabilitation
- Personal trainer

Unique features of this course

1. The BSc in Health and Exercise Science is part of the Exercise Science common entry programme. That means that after your second year you can change your mind and switch into either the BSc in Sport and Exercise Science or the BSc in Nutrition and Exercise Science.
2. There are several additional REPS accredited qualifications built into the programme. These are basic fitness instruction, group fitness instruction, personal training (year 2) and the Health and Exercise specialist award (year 4).
3. There is a 12 week work placement in the final year of the programme to help students develop and refine knowledge and skills in the area of Health and Exercise Science.
4. A unique module with a focus on professional practice and social media is placed in the final year of this degree course to help students truly market themselves and be present in the changing times where technology is at the forefront.

Approaches to student teaching and assessment

The programme uses a varied approach to teaching with a mixture of classroom and online learning, guest lectures and field trips combined with practical experience through exercise science laboratories and work experience. A breakdown into smaller class groups for practical classes enhances student enjoyment and engagement. Assessment approaches include continuous assessment, examination, group work, presentations and performance practicals.

Follow on Study

Opportunities exist within the Department of Sport and Exercise Science for post graduate study through either taught Masters programmes or research degrees at Masters and Doctoral level.

COURSE OUTLINE

YEAR ONE

SEMESTER ONE
- Fitness and Movement
- Functional Anatomy & Kinesiology
- Promoting Physical Activity
- Research & Learning
- Human Physiology
- Introduction to Sport Psychology

SEMESTER TWO
- Sport & Exercise Biomechanics 1
- Introduction to Exercise Psychology
- Biochemistry & Cell Physiology
- Strength & Conditioning
- Data & Measurement
- Business for Exercise Professional

YEAR TWO

SEMESTER THREE
- Exercise Prescription for Program Design 1
- Motivational Interviewing
- Nutrition 1
- Physical Activity Interventions
- Sport Psychology and Skill Acquisition
- Teaching for Exercise Professional

SEMESTER FOUR
- Exercise Physiology
- Research Methods & Statistics
- Nutrition 2
- Group Fitness Instruction
- Exercise Prescription for Programme Design 2
- Positive Psychology

YEAR THREE

SEMESTER FIVE
- Physical Activity Assessment and Evaluation
- Child and Youth Physical Activity
- Applied Sport and Exercise Physiology
- Weight Management
- Pathophysiology of Disease

SEMESTER SIX
- Major Project 1
- Adapted Physical Activity
- Exercise Psychology in Practice
- Exercise as Medicine 1
- Physcial Activity, Sport & Development
- CHOOSE 1: Nutrition for the Life Cycle / Sport Medicine

YEAR FOUR

SEMESTER SEVEN
- Placement

SEMESTER EIGHT
- Major Project II
- Exercise as Medicine 2
- Advanced Sport & Exercise Physiology
- Active Ageing
- Professional Practice and Social Media

Course outline is subject to change.

BACHELOR OF SCIENCE (HONS) IN

SPORTS COACHING & PERFORMANCE

APPLY CAO
WD186
wit.ie/wd186

LEVEL
8

ENTRY REQUIREMENTS
2 subjects: H5
4 subjects: O6/H7
English or Irish: O6/H7
Mathematics: O6/H7

ADDITIONAL POINTS
Applicants who apply to the CAO by 1 February and who have achieved excellence in their chosen sport or coaching at the highest levels may qualify for consideration for additional bonus points. More info: www.wit.ie/admissionspolicies

DURATION
4 years

POINTS 2019
Min: 276
Range: 276 - 410

COURSE LEADER
Dr Jean McArdle
Email: jmcardle@wit.ie

Course Aims

The BSc (Hons) in Sports Coaching and Performance is a four year honours degree course that provides aspiring coaches from a variety of sporting backgrounds with an advanced coach education. The programme combines the disciplines of coach education and development with sports science; applying theory to practice in different performance environments. A unique feature of the degree is a one year internship in a medium to high sports environment, providing students with invaluable applied experience.

Course Structure

- **Coach Education** modules address the key characteristics of successful coaching and talent identification
- **Sports Science** modules provide students with the knowledge to understand the scientific basis of sports performance and the practical skills to undertake coaching-relevant assessments
- **Strength and Conditioning** modules enable students to plan and implement programmes for individuals and teams. Age-specific strength and conditioning is a key consideration.
- **Sport in Society** modules place sport and coaching within a wider societal context
- **Performance Analysis** modules provide students with practical skills to undertake analysis in a performance setting

Career Opportunities

- Coaching
- Strength and Conditioning Specialists
- Performance Analysts
- Applied Sport Scientist

Unique Features

- The sports-specific education is delivered and academic credit is given to students for completion of National Governing Body awards and progress though the coach development pathway.
- The programme is designed specifically to develop coaching skills, abilities and perspectives to enable the coach to pursue career pathways in coaching.
- Additional points can be awarded to individuals with outstanding sporting achievement.
- A year long sports coaching and performance internship is undertaken in the third year of the programme. This distinctive feature offers students the opportunity to develop real world high level experience prior to graduating.
- Sports science foundation modules are a key component of years 1 and 2 while in year 4, students study the science of elite performance in specific sports, e.g. science of soccer. Such a focus on the science of performance in individual sports is not the norm on other sports science programmes.

Follow on Study

Students are progressing on to further study in the areas of Sports Coaching, Sports Psychology, Sports Science, Sports Performance and Strength and Conditioning.

Students will also have the knowledge and skills necessary to undertake advanced coaching awards to international standards in their specialist sports in the years following graduation.

COURSE OUTLINE

YEAR ONE

SEMESTER ONE
- Introduction to Coaching
- Introduction to Sport & Exercise Science
- Introduction to Sports Coaching and Society
- Lifestyle Management
- Research and Learning
- Strength and Conditioning 1

SEMESTER TWO
- Coach Education 1
- Data & Measurement
- Exercise Physiology 1
- Motor Behaviour
- Sports Biomechanics and Kinesiology

YEAR TWO

SEMESTER THREE
- Coaching Leadership
- Micro Coaching
- Sociology of Sport and Coaching
- Sport Coaching Psychology
- Sport Physiology
- Talent Identification and Long Term Athlete Development

SEMESTER FOUR
- Coach Education 2
- Coaching Process
- Movement and Performance Analysis
- Performance Planning
- Strength and Conditioning 2

YEAR THREE

SEMESTER FIVE
- Advanced Performance Analysis
- Coaching Internship 1
- Tests and Measurements for Sport

SEMESTER SIX
- Coaching Internship 2
- Research Methods and Statistics
- The Paralympic Athlete

YEAR FOUR

SEMESTER SEVEN
- Major Project 1
- Performance Psychology for Coaching
- Science of Elite Sport Performance
- Sports Development
- Strength and Conditioning 3

SEMESTER EIGHT
- Athletic Monitoring
- International Perspectives on Talent Development and Coaching
- Major Project II
- Sport and Exercise Medicine
- Sport and Exercise Nutrition

STUDENT VIEW

" The college has a great sport & exercise department which really enticed me. When I first read about Sports Coaching & Performance it just seemed like the perfect mixture. I would be studying sports science while also learning how to share this information practically as a coach. The practical experience is invaluable. The amount of times I have turned to the staff for help, and I have never been turned away."

Lauren Gourlay

BACHELOR OF BUSINESS IN

RECREATION & SPORT MANAGEMENT

APPLY CAO **WD019**

wit.ie/wd019

LEVEL **7**

ENTRY REQUIREMENTS
5 subjects: O6/H7
English or Irish: O6/H7
Mathematics: O6/H7

RESERVED PLACES
Applicants who apply to the CAO by 1 February and who have achieved excellence in their chosen sport or coaching at the highest levels may qualify for a reserved place. More info: www.wit.ie/admissionspolicies

DURATION
3 years

POINTS 2019
Min: 181
Range: 181 - 565

COURSE LEADER
Laura Finnegan
Email: lfinnegan@wit.ie

Course Aims

The Bachelor of Business in Recreation and Sport Management is a three year degree course which provides students with the necessary knowledge and skills to work in the wider sport, leisure and business industries. The course is based on three pillars of sport studies, recreation and leisure and business management.

Unique Features

- **Bachelor of Business:** This qualification provides graduates with a business degree which furthers employment options into a wider array of fields.
- **Work placement:** Students complete 14 weeks of work placement in year two of the course. This provides vital real-world experience for students in their chosen area of interest whilst also expanding their skill and knowledge base. Placements can include leisure centres, national governing bodies (e.g. FAI, GAA, IRFU), local sports partnerships and national organisations (e.g. Special Olympics, Paralympics Ireland). Opportunities for placements abroad are available.
- **Practical features:** Students complete four hours of practical sports skills per semester in years one and two. This enables students to gain the basic skills of a number of sports for the purposes of leading youth groups in a variety of sporting activity contexts. Other modules with practical components include event management, outdoor recreation and adapted physical activity. The practical fitness instruction stream allows students to gain professional qualifications in gym and group fitness instruction.
- **Electives:** After placement in year two, students choose electives for year three. This allows students to progress onto modules that suit their career objectives (e.g. coaching, event management, adapted physical activity).

Career Opportunities

- Sports development
- National governing bodies of sport
- Local sports partnerships
- Coaching
- Leisure centre management
- Fitness instruction
- Business setting (e.g. sports marketing, public relations, event management)

Professional Accreditation

The practical fitness instruction modules meet the standards required by REPS Ireland for entry to the Fitness Instructor and Group Fitness Instructor category on the Irish Register for Exercise Professionals (REPS). Membership of REPS Ireland qualifies students to work in the fitness industry in Ireland and abroad.

Follow on Study

Students can progress into Year 4 of the Bachelor of Business (Hons) in Recreation and Sport Management (WD212).

COURSE OUTLINE

YEAR ONE

SEMESTER ONE
- Communication Skills for College and the Workplace
- IT and Research Skills
- Introduction to Sports Business Practice
- Introduction to Sport and Exercise Science
- Sports Studies
- Sports Pedagogy 1

SEMESTER TWO
- Applied Human Resource Management
- Principles of Marketing
- Physiology for Sport and Exercise
- Sociology of Sport
- Sports Pedagogy 2
- Recreation Planning

YEAR TWO

SEMESTER THREE
- Sports Law
- Services Marketing Practice
- Accounting and Financial Information
- Strength and Conditioning
- Event Management
- Sport and Exercise Psychology

SEMESTER FOUR
- IT Applications
- Project Management in Recreation and Sport
- Economics
- Exercise Programming
- Facility Operations
- Sport and Event Tourism

YEAR THREE

SEMESTER FIVE
- Enterprise and Entrepreneurship
- Financial Decision Making
- Research Methods and Statistical Analysis
- Recreation and Social Interventions

CHOOSE 2
- Adapted Physical Activity
- Group Fitness Instruction
- Sports Coaching
- Outdoor Recreation
- Teaching and Assessment Methodologies for Aquatics

SEMESTER SIX
- Placement
- Independent Learning

STUDENT VIEW

"The course offers great work placement, coaching certificates and subject choices that increase job opportunities when graduated. I had the opportunity to work with some great organisations such as Waterford GAA, FAI, Charlton Athletic and went on many field trips varying from the Burren, Co. Clare to Tanzania."

Liam O'Hara

BACHELOR OF BUSINESS (HONS) IN

RECREATION & SPORT MANAGEMENT

APPLY CAO **WD212**

wit.ie/wd212

LEVEL **8**

ENTRY REQUIREMENTS
2 subjects: H5
4 subjects: O6/H7
English or Irish: O6/H7
Mathematics: O6/H7

PROFESSIONAL ACCREDITATION
The practical fitness instruction modules meet the standards required by REPS Ireland for entry to the Fitness Instructor and Group Fitness Instructor category on the Irish Register for Exercise Professionals (REPS). Membership of REPS Ireland qualifies students to work in the fitness industry in Ireland and abroad.

DURATION
4 years

POINTS 2019
Min: 274
Range: 274 - 390

COURSE LEADER
Laura Finnegan
Email: lfinnegan@wit.ie

Course Aims

This is a four year honours degree which provides students with the necessary knowledge and skills to work in the wider sport, leisure and business industries. The course is based on three pillars of sport studies, recreation and leisure and business management.

Unique Features

- **Bachelor of Business:** This qualification provides graduates with a business degree which extends employment options into a wider array of fields.
- **Work placement:** Students complete a semester of work placement in year three of the course. This provides vital real-world experience for students in their chosen area of interest whilst also expanding their knowledge and skill base. Placements can include leisure centres, national governing bodies (e.g. FAI, GAA, IRFU), local sports partnerships and national organisations (e.g. Special Olympics, Paralympics Ireland). Opportunities for placements abroad are also available.
- **Industry engagement:** Being industry ready is a key philosophy of the programme. Guest lecturers are a core part of learning in many modules. In 2nd year, students have a class free day where they will visit both local and national sport, recreation and leisure facilities throughout the semester.
- **Practical components:** There is a number of modules in the course with a practical emphasis. In sports pedagogy for example, students gain the basic skills of a number of sports for the purposes of leading youth groups in a variety of sporting activity contexts. Other modules with practical components include event management, outdoor recreation, adapted physical activity and social media and digital professionalism. The practical fitness instruction stream allows students to gain professional qualifications in gym and group fitness instruction. Students can also gain first aid, lifeguard, swim teaching and various coaching qualifications.
- **Electives:** Students have a wide array of electives to choose from. These electives allow students to progress onto modules that suit their career objectives.
- **Research specialism:** Students complete a research project in the final two semesters of the programme. This allows students to conduct specialist research in a niche area of their choosing. This can be done in conjunction with industry to further enhance career opportunities.

Career Opportunities

- Sports development
- National governing bodies of sport
- Local sports partnerships
- Sport management
- Fitness instruction
- Business industry positions (e.g. sports marketing, public relations, event management, digital marketing)
- Specialist positions in the leisure industry
- Coaching and athlete support

Follow on Study

Student can progress on to the MSc in Applied Sport and Exercise Psychology. Postgraduate research opportunities are also available.

COURSE OUTLINE

YEAR ONE

SEMESTER ONE
- Communication Skills for College and the Workplace
- IT and Research Skills
- Introduction to Sports Business Practice
- Introduction to Sport and Exercise Science
- Sports Studies
- Sports Pedagogy 1

SEMESTER TWO
- Applied Human Resource Management
- Principles of Marketing
- Physiology for Sport and Exercise
- Sociology of Sport
- Sports Pedagogy 2
- Recreation Planning

Course outline is subject to change.

YEAR TWO

SEMESTER THREE
- Sports Law
- Services Marketing Practice
- Accounting and Financial Information
- Strength and Conditioning
- Event Management
- Sport and Exercise Psychology

SEMESTER FOUR
- IT Applications
- Project Management in Recreation and Sport
- Economics
- Exercise Programming
- Facility Operations
- Sport and Event Tourism

YEAR THREE

SEMESTER FIVE
- Enterprise and Entrepreneurship
- Financial Decision Making
- Research Methods and Statistical Analysis
- Recreation and Social Interventions

CHOOSE 2
- Adapted Physical Activity
- Group Fitness Instruction
- Sports Coaching
- Outdoor Recreation
- Teaching and Assessment Methodologies for Aquatics

SEMESTER SIX
- Placement
- Independent Learning

YEAR FOUR

SEMESTER SEVEN
- Recreation Business Policy
- Final Project 1
- Sports Governance and Ethics

CHOOSE 2
- Sport Marketing
- Social Media and Digital Professionalism
- Macroeconomics
- Recreation for Special Populations
- Performance Psychology
- Sports Development
- Outdoor Recreation Management

SEMESTER EIGHT
- Strategic Leisure Management
- Final Project 2
- Contemporary Issues in Sport

CHOOSE 2
- Activity Programming for Disability
- Performance Training for Sport
- Community Recreation
- Sport Technology

STUDENT VIEW

"While my primary interest in college was the sporting elements of the course, the business elements ensured I had requisite skills to support the business component of running a major sporting organisation. While my sporting and coaching knowledge were essential in my previous role as Performance Director, it is the business elements that I'm particularly reliant on in my current CEO role."

Liam Harbison, Director of Sport Ireland Institute

SCHOOL OF HUMANITIES

www.wit.ie/humanities

DEPARTMENT OF APPLIED ARTS

Head: Michael Bergin, BSc (Hons), MMedSc, PhD

DEPARTMENT OF LANGUAGES, TOURISM & HOSPITALITY STUDIES

Head: Ray Cullen, BA Hosp Ed

DEPARTMENT OF CREATIVE & PERFORMING ARTS

Head: Marian O'Neill, LLB, LLM, DipLP, FCIB

HEAD OF SCHOOL

Suzanne Denieffe, BSc (Hons), MSc, PhD

CONTACTING THE SCHOOL

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Christina Furlong: 051 302251
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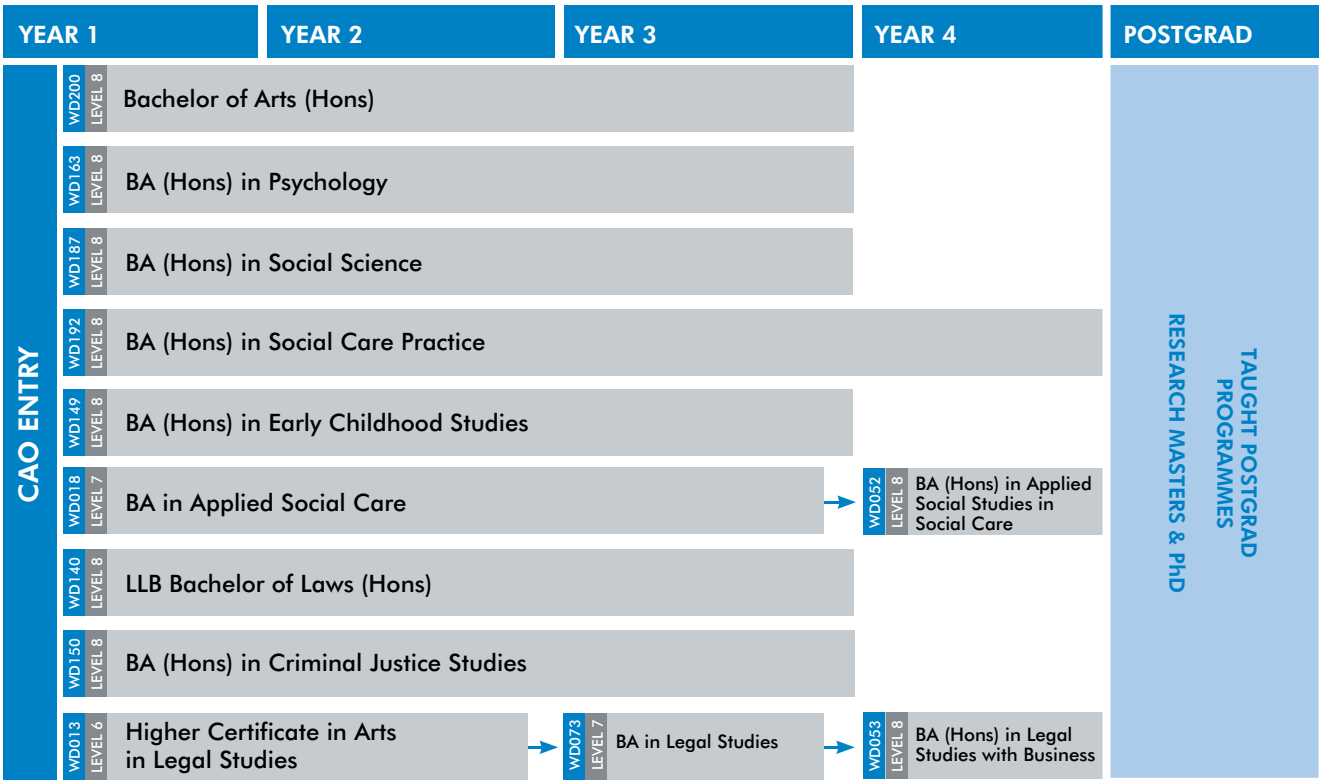
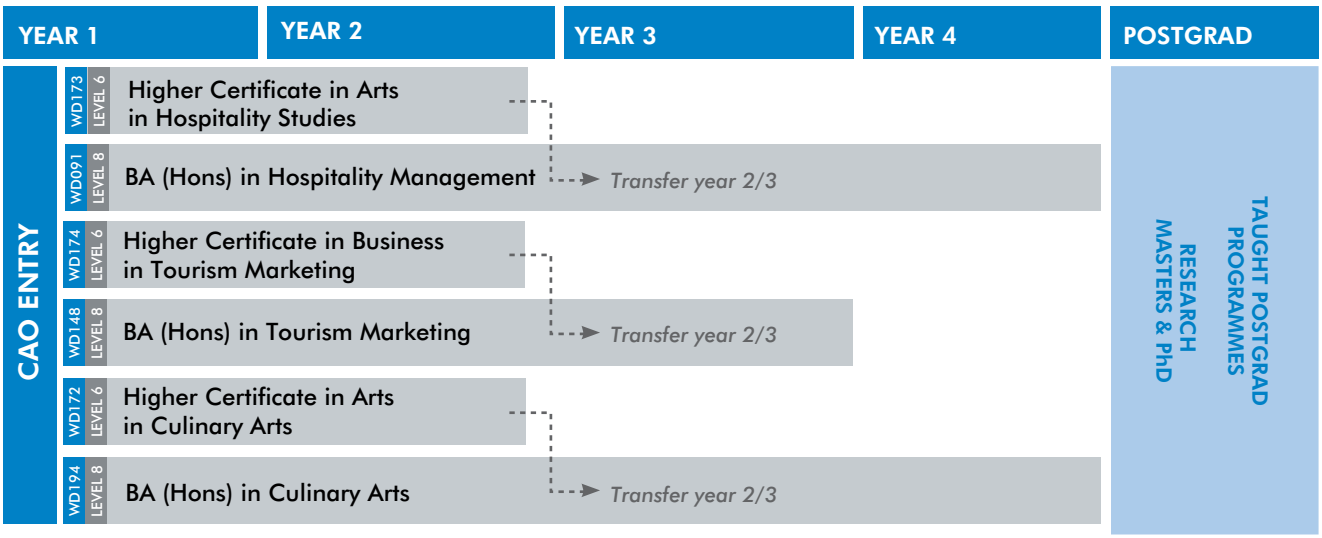
General Contact:
humanities@wit.ie

HUMANITIES AT WIT

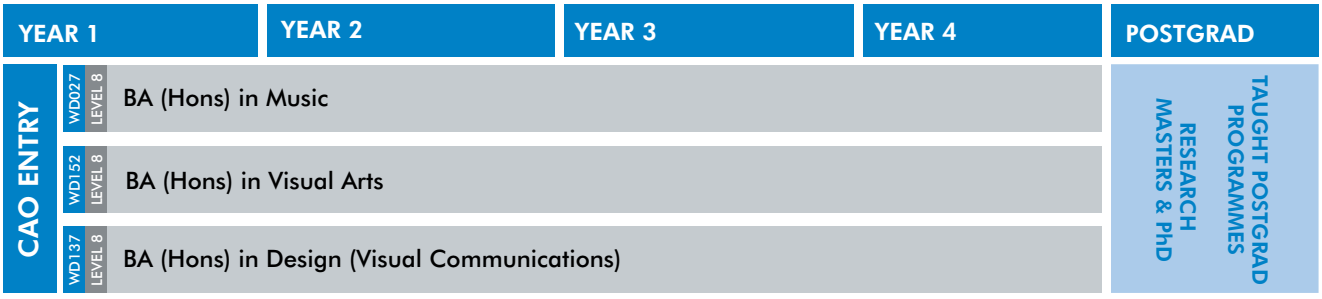
DEPARTMENT OF APPLIED ARTS



DEPARTMENT OF LANGUAGES, TOURISM & HOSPITALITY STUDIES



DEPARTMENT OF CREATIVE & PERFORMING ARTS



Advanced Entry: Students who have completed all or part of a third level qualification may be eligible for entry into years other than year 1 of our courses. See www.wit.ie/advancedentry

BACHELOR OF

ARTS (HONS)

APPLY CAO
WD200
wit.ie/wd200

LEVEL
8

ENTRY REQUIREMENTS
2 subjects: H5
4 subjects: O6/H7
English or Irish: O6/H7
Mathematics: O6/H7

LANGUAGE RECOMMENDATIONS
It is recommended that applicants choosing Post Leaving Certificate French, German or Irish have a H5 in that language.
For those starting a language as a beginner *(ab initio)* there are no special requirements.

POINTS 2019
Min: 221
Range: 221 - 473

DURATION
3 years

COURSE LEADER
Dr Seamus Ó Diollúin
Email: sodiolluin@wit.ie

The Bachelor of Arts (Hons) (WD200) is currently being reviewed.
Please see www.wit.ie for the final approved version of this course and for the most up to date information.

Course Aims

Studying on the Bachelor of Arts (Hons), you will be able to choose from a wide range of Humanities and Social Science subjects on an honour degree course that is comparable to Arts degrees both nationally and worldwide.

You will be encouraged to see the world anew through the study of subjects such as English Literature, Sociology, Irish and other Modern European Languages, Religious Studies, Psychology and others.

Over a three year period, you will develop expertise in two subject areas as well as developing a questioning and creative approach to the modern world.

The course encourages your creativity, enterprise and ethical and social awareness, as well as giving you the opportunity to demonstrate and develop your leadership potential.

The flexibility of mind formed in Liberal Arts students is highly valued by employers and the Arts degree at WIT opens many future opportunities to graduates.

Subjects

- The Arts degree is an interdisciplinary course with a specialism in one major subject. You also study a second minor subject.
- In Year 1, you can choose one major and two minors.
- In Years 2 & 3, you continue to study your chosen major and one of your chosen minors.
- Subjects are organised into four groups (1 to 4) and you can choose a maximum of one subject from any group.

Bachelor of Arts (Hons) International
Some students choose to spend an extra year studying at a partner university or third level college overseas before returning to complete their final year at WIT. Students who take this option graduate with a Bachelor of Arts (Hons) International.

Follow on Study

Graduates can proceed to a Masters degree by Research in their chosen Major discipline at WIT or elsewhere, as well as various other taught Graduate Diploma and Masters programmes.

Career Opportunities

A Liberal Arts education prepares graduates for many work situations and graduates in the past have become teachers, have worked in journalism, consultancy, many different forms of professional practice, translation, politics: it is the nature of a Liberal Arts education that it prepares people for a myriad of careers. The adaptability, flexibility and mental agility of Arts graduates, as well as their strong skills in communication and problem-solving, make them very desirable employees in many professions and industries.

STUDENT VIEW

"I've always had a passion for languages, and loved French in secondary school so it seemed impossible not to choose French as one of my arts subjects at WIT. The smaller class sizes are hugely beneficial, as the lecturers ensure that each student gets the attention and support that they need. My French lecturers have always gone the extra mile for me and my class mates. One of my lecturers actually recommended the English Teaching Assistant in France programme to me. Starting in early October I'll be teaching English in Versaille for a year! I'm confident that the French programme at WIT has prepared me well for this new adventure and would recommend it whole heartedly to anyone considering studying languages at WIT."

Rachel Murphy

BACHELOR OF ARTS (HONS) - Subject Options

START

CHOOSE 1 MAJOR SUBJECT*

GROUP 1	GROUP 2	GROUP 3	GROUP 4
ENG - ENGLISH	**FRH** - FRENCH (POST LEAVING CERT)	**SOC** - SOCIOLOGY	
SPH - SPANISH (BEGINNERS)	**RES** - RELIGIOUS STUDIES	**IRH** - IRISH (POST LEAVING CERT)	**THS** - THEATRE STUDIES

YEAR 1

CHOOSE 2 MINOR SUBJECTS*

GROUP 1	GROUP 2	GROUP 3	GROUP 4
ENGLISH	RELIGIOUS STUDIES	SOCIOLOGY	PSYCHOLOGY
SPANISH (BEGINNERS)	LAW	IRISH (POST LEAVING CERT)	ECONOMICS
	FRENCH (POST LEAVING CERT)	GERMAN (POST LEAVING CERT)	THEATRE STUDIES
	ITALIAN (BEGINNERS)	GERMAN (BEGINNERS)	

*Students study one Major and two Minor subjects in Year 1. No two subjects (Major or Minor) can be chosen from the same group.

YEARS 2 & 3

DEVELOP YOUR EXPERTISE

CONTINUE TO STUDY YOUR CHOSEN MAJOR
AND
1 OF YOUR CHOSEN MINORS

GRADUATE WITH A BACHELOR OF ARTS (HONS)

CAREER OPPORTUNITIES

The adaptability, flexibility and mental agility of Arts graduates, as well as their strong skills in communication and problem-solving, make them very desirable employees in many professions and industries, in Ireland and overseas.

Education
- Primary & secondary teaching
- Research
- Lecturer
- Policy & administration

Business & Law
- Consultancy
- Solicitor
- Barrister
- Marketing & advertising
- Project management

Media
- Journalism
- Writing
- Publishing
- Broadcast media
- Film making

Governance
- Diplomacy & foreign affairs
- Civil servant
- Public servant
- Policy development

Theatre & Arts
- Theatre/arts management
- Theatre practitioner (director/actor/technician)

BACHELOR OF ARTS (HONS) INTERNATIONAL

You can choose to spend an extra year (Year 3) in an international partner university.
Students who take this option will graduate after four years with a Bachelor of Arts (Hons) International.
Partners include universities in the US, Canada and across Europe.

BACHELOR OF ARTS (HONS) IN

PSYCHOLOGY

APPLY CAO **WD163**

wit.ie/wd163

LEVEL **8**

ENTRY REQUIREMENTS
2 subjects: H5
4 subjects: O6/H7
English or Irish: O6/H7
Mathematics: O4/H7

OTHER REQUIREMENTS
It is recommended that applicants choosing Post Leaving Certificate French, German or Irish have a H5 in that language. For those starting a language as a beginner *(ab initio)* there are no special requirements.

DURATION
3 years

POINTS 2019
Min: 390
Range: 390 - 600

COURSE LEADER
Dr Jennifer O'Mahoney
Email: jomahoney@wit.ie

Course Aims

This interdisciplinary three year degree course in Psychology offers students the opportunity to follow a major course in Psychology alongside minor study in an associate Humanities discipline. Psychology is the scientific study of behavior and mental processes. As such, the mission of the BA (Hons) in Psychology is to help students learn to think like psychologists. To achieve this goal, students generate and evaluate empirical evidence while considering theoretical perspectives on the discipline. Students actively engage with a rigorous academic programme that includes comprehensive coursework and student research. The structure and content of the degree will provide students with a comprehensive understanding of human behaviour for a dynamic and fast changing world. Students who undertake the BA (Hons) in Psychology will have to be capable of studying across a wide range of disciplines, including Statistics.

This degree is accredited by the Psychological Society of Ireland (PSI).

Career Opportunities

This course develops multi-skilled individuals with a wide range of transferable skills and provides industry with graduates who are capable of strategically managing all aspects of their environment. A graduate of the BA (Hons) in Psychology will be an enthusiastic and confident practitioner, comfortable with their ability to learn, and able to adapt to an ever-changing society. They will be ready to embark on a challenging and rewarding career in a variety of differing employment positions.

Follow on Study

Masters degrees by Research at WIT or elsewhere as well as various other taught postgraduate programmes.

Arts Subjects

Students will study Psychology as their Major Subject in Year 1 in addition to taking two Minor Subjects from associate humanities disciplines. These Minor Subjects must be chosen from Groups 1, 2 or 3 of the Bachelor of Arts (Hons) course, but not more than one subject can be taken from each group. Please see **www.wit.ie/WD200** for details.

On successful completion of year one, students will continue with their Major Subject, Psychology, and choose one of their two Minor Subjects to study in years two and three of the course.

BA (Hons) International in Psychology

The BA (Hons) International in Psychology is a four-year version of the BA (Hons) in Psychology course. Admission takes place in second year and students spend their third year studying at an approved partner university or third level institution abroad, before returning to complete their final year at WIT.

COURSE OUTLINE

YEAR ONE

SEMESTER ONE
- Introduction to Psychology
- History of Psychology
- Introduction to Statistical Analysis & Design
- Critical and Creative Thinking
- Minor Subject 1 Module 1
- Minor Subject 2 Module 1

SEMESTER TWO
- Introduction to Biological Psychology
- Developmental Psychology
- Introduction to Cognition & Perception
- Introduction to Research Methods
- Minor Subject 1 Module 2
- Minor Subject 2 Module 2

YEAR TWO

SEMESTER THREE
- Advanced Cognitive Psychology
- Individual Differences
- Intermediate Statistical Analysis & Design
- Applied Research Methods
- Minor Subject Module 3
- Minor Subject Module 4

SEMESTER FOUR
- Abnormal Psychology
- Introduction to Social Psychology
- Advanced Statistical Analysis & Design
- Psychology Laboratories
- Minor Subject Module 5
- Minor Subject Module 6

YEAR THREE

SEMESTER FIVE
- Advanced Social Psychology
- Psychology & Crime
- Clinical & Experimental Neuropsychology and Dissertation
- Psychology 1
- Minor Subject Module 7
- Minor Subject Module 8

SEMESTER SIX
- Counselling Psychology
- Organisational Psychology
- Health Psychology & Dissertation
- Psychology 2
- Minor Subject Module 9
- Minor Subject Module 10

Course outline is subject to change.

STUDENT VIEW

"I wanted to study Psychology because the study of mind and behaviour really interested me. I chose WIT because it was close to home and it is known as the best IT in Ireland. I felt that the lecturers were very supportive and my classmates were great. Psychology at WIT has a lot of scope with regard to post-graduate opportunities, I am currently doing a Master of Science in Work & Organisational Psychology."

Rohan Khan

BACHELOR OF ARTS (HONS) IN

SOCIAL SCIENCE

APPLY CAO

WD187

wit.ie/wd187

LEVEL

8

ENTRY REQUIREMENTS
2 subjects: H5
4 subjects: O6/H7
English or Irish: O6/H7
Mathematics: O6/H7

DURATION
3 years

POINTS 2019
Min: 271
Range: 271 - 430

COURSE LEADER
Michael Tobin
Email: mtobin@wit.ie

Course Aims

The BA (Hons) in Social Science is a multi-disciplinary three year course. In times of rapid social and economic change, this programme offers students the opportunity to understand and critically analyse contemporary Irish society and Ireland's place in an increasingly globalised world.This course draws on core Social Science disciplines such as; Social Policy, Sociology, Psychology, Economics and Politics, with an emphasis on Social Research and Social Studies in Context.The implications of and responses to social problems for marginalised and vulnerable members of society are central to this programme.

Career Opportunities

The BA (Hons) in Social Science offers graduates a wide variety of career opportunities such as Social Research, Policy Analysis, Human Resources, Administration and Social Work in Government and Non-governmental agencies. Some career options require further postgraduate qualifications and this programme provides an ideal pathway into a range of postgraduate options.

Follow on Study

Graduates may proceed to postgraduate study, either research or taught, at WIT or other third-level colleges.

Special Features

Students are offered an opportunity to take elective modules in Semesters, 3, 4, 5 and 6. Students may elect from a wide range of modules such as Human Resource Management, Personal & Professional Development, Social Care, Psychology & Crime, Probation and Youth Work and Law.

The programme is structured to provide students with the opportunity to gain a solid academic foundation in a range of related disciplines. The programme is also structured to enable students to develop their critical understanding of the applied nature of social science, and the importance of social research in critical inquiry and analysis of contemporary society.

The programme emphasises the importance of inter-disciplinarity. These pillars of learning (theory, application, research and integration) are the focus of this programme.

COURSE OUTLINE

YEAR ONE

SEMESTER ONE
- Introduction to Psychology
- Social Policy and Welfare
- Introduction to Sociological Problems
- Critical and Creative Thinking
- Principles of Microeconomics
- Introduction to Politics

SEMESTER TWO
- Introduction to Social Psychology
- Irish Social Policy
- Sociology of Contemporary Ireland
- The Development of the Irish Welfare State
- Principles of Macroeconomics
- Introduction to Research

YEAR TWO

SEMESTER THREE
- Social Research Methods
- Foundations of Ethics/Philosophy
- Social Policy Processes
- Class and Social Mobility in Irish Society
- Economic Policy Issues
- Elective Modules

SEMESTER FOUR
- Sociology of Gender
- Social Ethics
- Understanding Sociological Perspectives
- Social Policy and Ideology
- Developmental Psychology
- Elective Modules

YEAR THREE

SEMESTER FIVE
- Social Studies in Context 1
- Dissertation Proposal: Social Science
- Irish Politics and Government
- EU and Globalisation
- Ireland and Ethnic Minorities
- Elective Module

SEMESTER SIX
- Dissertation: Social Science
- Modern Social Theory
- Social Studies in Context 2
- Comparing Social Policies
- Elective Module

Course outline is subject to change.

STUDENT VIEW

"I chose the Social Science course at WIT as it offered a wide range of contemporary modules and provided a multidisciplinary base to work from. Whilst being interested in the provision of education and criminal reform I wanted to take a more strategic view rather than head into social care work. I loved Social Policy and Sociology. Our social policy lecturer was the same for the three years and this was great and really helped develop our academic skills. I was fortunate to be awarded the John Moore award and this meant a lot to me as it was recognition from my fellow students regarding the non-academic support I had given them."

Sue Goona

BACHELOR OF ARTS (HONS) IN

SOCIAL CARE PRACTICE

APPLY CAO **WD192**

wit.ie/wd192

LEVEL **8**

ENTRY REQUIREMENTS
2 subjects: H5
4 subjects: O6/H7
English or Irish: O6/H7

OTHER REQUIREMENTS
Places are offered on the programme subject to satisfactory Garda Vetting clearance.

DURATION
4 years

POINTS 2019
Min: 279
Range: 279 - 487

COURSE LEADER
Hazel Finlay
Email: hfinlay@wit.ie

Course Aims

This is a four year level 8 course of study designed to prepare students for professional careers in Social Care Work and facilitate students who wish to pursue a specific area of interest. The overall aim of the course is to develop critically reflective, skilled and ethically aware professional Social Care workers. The course involves the study of related disciplines of Applied Social Studies, Professional Practice, Sociology, Social Policy, Psychology and Law.

Career Opportunities

Graduates may take up employment by the state sector and in community-based organisations. Social care workers may work with:

- Children and adolescents in residential care
- People with learning or physical disabilities
- People who are homeless
- People with alcohol/drug dependency
- Families in the community
- Older people
- Recent immigrants to Ireland; and others

Special Feature

The course is designed to develop students as professionally qualified workers for a range of social care employment opportunities. Placement in Semesters 3 & 6 consists of 35 hours per week for 12 weeks, supervised social care practice.

Fitness to Practice

Students undertaking the BA (Hons) in Social Care Practice must meet the requirements of the School's Fitness to Practice Policy and will be subject to Garda Vetting prior to placement.

Follow on Study

Graduates may proceed to postgraduate study, Masters by Research at WIT as well as Masters in Social Work and other similar courses.

COURSE OUTLINE

YEAR ONE

SEMESTER ONE
Introduction to Psychology
Social Policy and Welfare
Introduction to Sociological Problems
Critical and Creative Thinking
Applied Creativity 1:
- Applied Social Studies in Context 1
- Creative Interventions 1

Personal & Professional Development: Social Care 1

SEMESTER TWO
Social Care Law
Developmental Psychology
Irish Social Policy
Understanding Sociological Perspectives
Applied Creativity 2:
- Applied Social Studies in Context 2
- Creative Interventions 2

Personal & Professional Development: Social Care 2

YEAR TWO

SEMESTER THREE
Practice Placement: Social Care 1
Practice Placement Portfolio: Social Care 1
Applied Social Studies in Context 3

SEMESTER FOUR
Child Protection Law
Introduction to Research
Sociology of Contemporary Ireland
Abnormal Psychology
Applied Social Studies in Context 4
Personal and Professional Development: Social Care 3

YEAR THREE

SEMESTER FIVE
Status, Capacity and Consent in Irish Law
Introduction to Social Psychology
Children's Rights and Social Policy
Foundation of Ethics
Applied Social Research
Personal and Professional Development: Social Care 4

SEMESTER SIX
Practice Placement: Social Care 2
Practice Placement Portfolio: Social Care 2
Applied Social Studies in Context 5

YEAR FOUR

SEMESTER SEVEN
Social Care Management and Practice 1
Applied Research Project 1
Social Policy Processes
Law for Social Care Professionals 1
Introduction to Therapeutic Interventions
Narrative Approaches to Social Care Practice

SEMESTER EIGHT
Social Care Management and Practice 2
Applied Research Project 2
Comparing Social Policies
Law for Social Care Professionals 2
Utilising and Applying Therapeutic Interventions
Systemic Approaches to Social Care Practice

Course outline is subject to change.

STUDENT VIEW

"Coming to WIT to study Social Care Practice has been one of the best decisions of my life. The friendly atmosphere and the fantastic social aspect in WIT have made it easy for me to make friends for life. I found the classes extremely interesting and enjoyable. The lecturers are very understanding and supported us every step of the way especially on work placement."

Darren Malone

BACHELOR OF ARTS (HONS) IN

EARLY CHILDHOOD STUDIES

APPLY CAO
WD149
wit.ie/wd149

LEVEL
8

ENTRY REQUIREMENTS
2 subjects: H5
4 subjects: O6/H7
English or Irish: O6/H7
Mathematics: O6/H7

OTHER REQUIREMENTS
Places are offered on the programme subject to satisfactory Garda Vetting clearance.

DURATION
3 years

POINTS 2019
Min: 288
Range: 288 - 519

COURSE LEADER
Jacqui Quinn
Email: jquinn@wit.ie

Course Aims

The BA (Hons) in Early Childhood Studies is a three year course of study. The course is designed under four important academic foundations namely, theory, practice, research and reflective integration.

Early Childhood Studies is aimed at producing professionally qualified graduates who can work in a range of early years' contexts, working with children up to the age of eight in both care and education settings. The course involves the study of related disciplines of early years' care, education, psychology, sociology, law and personal and professional development and supervised professional early years, practice placements.

Career Opportunities

This course aims to facilitate students who wish to pursue professional careers in Early Childhood Studies contexts, and postgraduate studies in Early Childhood Studies and related disciplines.

- Early Years Childcare
- Early Years Education
- Children's Residential Care Centres
- Health Services Executive, Family Support
- Children with special learning needs
- Private work in the child care sector

Special Feature

Students have the opportunity to complete supervised work-based placements, in years 2 and 3 of the course. These opportunities allow students gain valuable experience and skills in areas of care or education or both. These placement experiences will facilitate the students' application of knowledge from the disciplines studied to professional practice. Students will conclude their third year with a written thesis which allows them focus on a specific area of interest to them in relation to early years' care and education.

Fitness to Practice

Students undertaking the BA (Hons) in Early Childhood Studies must meet the requirements of the School's Fitness to Practice Policy and will be subject to Garda Vetting prior to placement.

Follow on Study

Graduates may proceed to postgraduate study, either research or taught, at WIT or other third-level Colleges.

COURSE OUTLINE

YEAR ONE

SEMESTER ONE
Introduction to Psychology
Early Years Instruction: Children as Learners
Critical & Creative Thinking
History of Care in Social Policy
Introduction to Sociological Problems 1
Personal & Professional Development 1

SEMESTER TWO
Irish Family Policy
Early Years Education: Methods & Practice
Personal & Professional Development 2
The Sociology of Contemporary Ireland
Developmental Psychology
Introduction to Research

YEAR TWO

SEMESTER THREE
Practice Placement 1
Personal & Professional Development 3
Engaging Children Through Play
Early Childhood Assessment
Social Research Methods

SEMESTER FOUR
Understanding Sociological Perspectives
Child Health & Welfare
Comparative Pedagogy of Early Years Education
History of Psychology of Education
Irish Early Childhood Education Policies - a Critique
Introduction to Irish Law

YEAR THREE

SEMESTER FIVE
Diversity & Inclusion in Early Years Care & Education
Children's Rights & Social Policy
Social Theory & Gender Studies
Introduction to Social Psychology
Child Law
Dissertation 1

SEMESTER SIX
Practice Placement 2
Personal & Professional Development 4
Direct Work with Children, Parents & Staff
Managing Early Child Contexts
Dissertation 2

Course outline is subject to change.

STUDENT VIEW

"There are bundles of opportunities follow Early Childhood Studies at WIT as the course is quite broad and there are so many career paths to choose from. Placements in both 2nd and 3rd year were extremely helpful in deciding the area I wanted to work in. There is a friendly atmosphere around campus, the lecturers do all they can to support each student and are willing to meet you personally for anything you need help with."

Kate O'Brien

BACHELOR OF ARTS IN

APPLIED SOCIAL CARE

APPLY CAO **WD018**

wit.ie/wd018

LEVEL **7**

ENTRY REQUIREMENTS
5 subjects: O6/H7
English or Irish: O6/H7

OTHER REQUIREMENTS
Places are offered on the programme subject to satisfactory Garda Vetting clearance.

DURATION
3 years

POINTS 2019
Min: 180
Range: 180 - 555

COURSE LEADER
Jane McGrath
Email: jmcgrath@wit.ie

Course Aims

The BA in Applied Social Studies in Social Care is a three year (level 7) course of study. The course is designed to facilitate students who wish to pursue a specific area of interest and prepares students for professional careers in Social Care Work.

The course involves the study of related disciplines of Sociology, Social Policy, Psychology, Law, Applied Social Research and Supervised Professional Practice.

Career Opportunities

Graduates may take up employment in the state sector and in community-based organisations. Social care workers may work with:

- Children and adolescents in residential care
- People with learning or physical disabilities
- People who are homeless
- People with alcohol/drug dependency
- Families in the community
- Older people
- Recent immigrants to Ireland

Special Feature

The course is designed to facilitate students to specialise as Social Care Workers. All students who wish to graduate as professionally qualified social care workers must successfully complete a supervised work-based placement in each of the second and third years of the course.

Fitness to Practice

Students undertaking the BA in Applied Social Care must meet the requirements of the School's Fitness to Practice Policy and will be subject to Garda Vetting prior to placement.

Follow on Study

BA (Hons) Applied Social Studies in Social Care - WD052 (one year add-on course)

COURSE OUTLINE

YEAR ONE

SEMESTER ONE
- Key Themes in Sociology
- Introduction to Social Policy
- Psychology of Human Behaviour
- Applied Social Studies 1
- History of Social Care in 19th Century Ireland
- Personal & Professional Development 1

SEMESTER TWO
- Social Facts & Structures
- Social Policy in Context
- Introduction to Social Care Law
- History of Social Care in 20th Century Ireland
- Lifespan Developmental Psychology
- Personal & Professional Development 2

YEAR TWO

SEMESTER THREE
- **Practice Placement 1**
- **Practice Placement Portfolio 1**
- **Applied Social Studies 2**

SEMESTER FOUR
- Inequalities and Disadvantage in Irish Social Policy
- Individual Differences & Abnormal Psychology
- Modernisation & Social Change
- Personal & Professional Development 3
- Child in Irish law
- Applied Social Studies 3

YEAR THREE

SEMESTER FIVE
- Domestic Violence Law and Mental Health Law in Ireland
- Challenges for Irish Social Policy
- Class, Idealogy and Social Movements
- Social Psychology
- Personal & Professional Development 4
- Applied Social Studies 4

SEMESTER SIX
- **Practice Placement 2**
- **Practice Placement Portfolio 2**
- **Applied Social Studies 5**

Course outline is subject to change.

STUDENT VIEW

"I made the life changing decision to come back to study at WIT as a mature student. Deciding to come back to college was a nerve wrecking thought to say the least, but the attitude and help from the lecturers made the transition from full time work to full time education an easy transition. I loved my course in Applied Social Studies in Social Care and loved my entire experience at WIT."

Kelly McDermott

BACHELOR OF ARTS (HONS) IN

APPLIED SOCIAL STUDIES IN SOCIAL CARE

ADD-ON COURSE

WD052

wit.ie/wd052

LEVEL

8

ADD-ON COURSE

Applications are accepted from graduates who have successfully completed the BA in Applied Social Care (level 7) (WD018) or equivalent.
Subject to availability of places.

DURATION
1 year

COURSE LEADER
Marie O'Reilly
Email: moreilly@wit.ie

Course Aims

The Bachelor of Arts (Hons) in Applied Social Studies in Social Care (level 8) is a one year add-on course designed for graduates with a level 7 award who wish to further their Applied Social Studies education. It is a necessary qualification for those wishing to pursue postgraduate studies.

Follow on Study

Graduates may proceed to postgraduate study, either research or taught, at WIT or other third-level Colleges.

COURSE OUTLINE

YEAR ONE

SEMESTER ONE

- Law for Social Care Professionals 1
- Systematic Approaches in Social Care Practice
- Introduction to Therapeutic Interventions
- Social Policy Processes
- Social Care Management & Professional Practice 1
- Applied Research Project 1

SEMESTER TWO

- Law for Social Care Professionals 2
- Narrative Approaches in Social Care Practice
- Utilising & Applying Therapeutic Interventions
- Comparing Social Policies
- Social Care Management & Professional Practice 2
- Applied Research Project 2

Course outline is subject to change.

Cork Road Campus

STUDENT VIEW

"The wide range of subjects impressed me so much, the lecturers were so helpful in all aspects and I enjoyed every year in WIT and I am delighted I chose WIT to do my Social Care degree. I have made so many friends through my course which was always encouraged by our lecturers in terms of class team building and bonding. I can easily say I have made friends for life and it is always great to look back on our time in WIT: study groups, class parties and the fun we had. I was involved with the Social Care society and acted as Chairperson. We organised many parties, talks, events, fundraisers and an end of year Ball.

During my time in WIT, I went on work placement in the first semester in second year and the second semester in third year. We got the feel of working in the real world and I knew then I had made the right decision with Social Care in WIT. I felt well equipped going on placement; in second year I did placement in a school for children with special needs as a classroom assistant and in third year I did placement in Foroige which is a youth organisation as a substitute youth worker. I enjoyed this so much and what I had learned in class I could really apply to the work I was doing.

I then went on to complete the honours degree. It's true what they say WIT is a world full of opportunities and I am so happy I got to experience so many of them."

Denise McCarthy

LLB BACHELOR OF

LAWS (HONS)

APPLY CAO
WD140
wit.ie/wd140

LEVEL
8

ENTRY REQUIREMENTS
2 subjects: H5
4 subjects: O6/H7
English or Irish: O5/H7
Mathematics: O6/H7

DURATION
3 years

POINTS 2019
Min: 290
Range: 290 - 499

COURSE LEADER
Grainne Callanan
Email: gcallanan@wit.ie

The LLB Bachelor of Laws (Hons) (WD140) is currently being reviewed.
Please see www.wit.ie for the final approved version of this course and for the most up to date information.

Course Aims

The LLB Bachelor of Laws (Hons) is a three year course of study. It is designed to provide a broad education that equips students with general knowledge, general transferable skills, legal knowledge and legal skills that can be applied in a range of sectors.

This course is accredited by the Board of the Honorable Society of King's Inns.

Career Opportunities

Graduates of the LLB Bachelor of Laws (Hons) may find work in the following areas:

- Solicitor
- Barrister
- Lecturing
- Journalism
- Broadcasting
- Writing
- Politics
- Business
- Insurance
- Banking
- An Garda Síochána

Special Feature
As well as the wide career choice available the graduate will be well placed to pursue further legal study including seeking entrance to and completing the professional courses offered at King's Inns and the Law Society of Ireland.

Follow on Study

As well as the wide career choice available the graduate will be well placed to pursue further legal study including seeking entrance to and completing the professional courses offered at King's Inns and the Law Society of Ireland.

Completion of the course will also enable students to undertake taught Masters programmes or Masters degrees by Research at WIT or other third-level Colleges.

COURSE OUTLINE

YEAR ONE

SEMESTER ONE
Critical & Creative Thinking
Information Technology Applications
Foundations of Irish Law
Contract Law 1
Law of Tort 1
Elective

SEMESTER TWO
Introduction to Research
Irish Legal System
Contract Law 2
Law of Tort 2
Legal Research
Elective

Course outline is subject to change.

YEAR TWO

SEMESTER THREE
Criminal Law 1
Constitutional Law 1
Land Law 1
European Union Law 1
Labour Law 1
Elective

SEMESTER FOUR
Criminal Law 2
Constitutional Law 2
Land Law 2
European Union Law 2
Labour Law 2
Elective

YEAR THREE

SEMESTER FIVE
Equity and Trusts 1
Jurisprudence 1
Criminal Evidence
Company Law 1
Elective
Elective

SEMESTER SIX
Company Law 2
Equity and Trusts 2
Jurisprudence 2
Civil Evidence
Administrative Law
Elective

Electives are chosen from a selection of Law modules offered at the discretion of WIT

STUDENT VIEW

"I chose WIT because it had the exact course I wanted when it came to making my decisions towards the end of my final school year. With a small class, we became like a family and every day was different and exciting. There was an excellent choice of legal subjects and the lecturers gave each interested individual all the help and support that could possibly have been given."

Evan Ryan

BACHELOR OF ARTS (HONS) IN

CRIMINAL JUSTICE STUDIES

APPLY CAO
WD150
wit.ie/wd150

LEVEL
8

ENTRY REQUIREMENTS
2 subjects: H5
4 subjects: O6/H7
English or Irish: O6/H7
Mathematics: O6/H7

DURATION
3 years

POINTS 2019
Min: 271
Range: 271 - 446

COURSE LEADER
Dr Geraldine Cleere
Email: gcleere@wit.ie

The BA (Hons) in Criminal Justice Studies (WD150) is currently being reviewed.
Please see www.wit.ie for the final approved version of this course and for the most up to date information.

Course Aims

The BA (Hons) in Criminal Justice Studies is a three year degree course designed to equip the student with general knowledge and transferable skills while focusing on the broad theme of criminal justice. It is a multi-disciplinary course.

Career Opportunities would include

- The Probation Service
- The Security Industry
- The Civil Service
- An Garda Síochána
- The Prison Service
- Research
- Journalism
- Non-Governmental Organisations
- Banking

Special Features

While this course is both inter-disciplinary and multi-disciplinary in order to help students develop general academic skills, it is designed with those in mind who would like to enter the criminal justice professions and seeks to cater for their specific educational requirements.

Follow on Study

Taught Masters programmes or Masters degrees by Research at WIT or other third-level Colleges.

COURSE OUTLINE

YEAR ONE

SEMESTER ONE
- Introduction to Sociological Problems
- Introduction to Psychology
- Critical & Creative Thinking
- Irish State & EU Structures
- Foundations of Irish Law
- Introduction to Criminal Law

SEMESTER TWO
- Introduction to Management
- Introduction to Research
- Introduction to Employment Law
- Irish Legal System
- Aspects of Family Law
- The Sociology of Contemporary Ireland

Course outline is subject to change.

YEAR TWO

SEMESTER THREE
- Foundations of Ethics: Philosophical & Theological
- Criminology 1
- Irish Fundamental Rights
- Incarceration & the Law
- Victimology
- Elective

SEMESTER FOUR
- Social Ethics
- Criminology 2
- Human Rights Law
- Legal Research
- Policing & the Police
- Elective

YEAR THREE

SEMESTER FIVE
- Applied Criminal Law 1
- Ethnicity & Criminal Justice
- Organisational Psychology
- Introduction to Personal & Professional Development
- Theory of Criminal Evidence
- Elective

SEMESTER SIX
- Applied Criminal Law 2
- Practical Management
- Applied Criminal Evidence
- Applied Forensics
- Elective
- Elective

Electives are chosen from a selection of Law modules offered at the discretion of WIT

STUDENT VIEW

"The best thing about this course here at Waterford Institute of Technology is the wide range of subjects covered. Never a dull moment! This course has been a massive eye-opener, everyone is so busy caught up in their own lives, people rarely take time to stop and think; why do we go to Church? Who is accountable for ensuring child protection and why do so many slip through the cracks? This course allows you to explore all these avenues and the lecturers are extremely helpful to us during the process."

Sinead Heffernan

HIGHER CERTIFICATE IN ARTS IN

LEGAL STUDIES

APPLY CAO
WD013
wit.ie/wd013

LEVEL
6

ENTRY REQUIREMENTS
5 subjects: O6/H7
English or Irish: O6/H7
Mathematics: O6/H7

DURATION
2 years

POINTS 2019
Min: 170
Range: 170 - 591

COURSE LEADER
Dr Ella O'Sullivan
Email: eosullivan@wit.ie

Course Aims

The study of law provides students with an education that is relevant to a wide range of employment opportunities because law regulates all aspects of life. Legal studies are not just for students who want to become solicitors or barristers.

Why the Higher Certificate in Arts in Legal Studies course may suit your needs?

This is a two year course that provides students with a foundational knowledge of a broad range of legal subjects and various legal and business related skills that can be utilised in a wide range of employment settings. The course may also suit students who do not have a specific career in mind because whatever career or educational path a student may ultimately pursue, law is relevant to all careers and industries.

Career Opportunities

- Solicitors' or other business offices
- An Garda Síochána
- Civil Service
- Banks & Building Societies
- Insurance Companies and other regulated industries

Follow on Study

BA in Legal Studies - WD073

College Street Campus

COURSE OUTLINE

YEAR ONE

SEMESTER ONE	SEMESTER TWO
Communications 1	Communications 2
Computer & Office Skills 1	Computer & Office Skills 2
Exploring the Irish Legal System 1	Exploring the Irish Legal System 2
Contract & Labour Law 1	Contract & Labour Law 2
Introduction to Crime	Introduction to Tort
Aspects of Company & Commercial Law 1	Aspects of Company & Commercial Law 2

YEAR TWO

SEMESTER THREE	SEMESTER FOUR
Litigation	Litigation and Evidence
Legal Accounts 1	Legal Accounts 2
Applied Communications 1	Applied Communications 2
Conveyancing	Conveyancing and Planning
Introduction to Land Law & Equity 1	Introduction to Land Law & Equity 2
Family Law 1	Family Law 2

Course outline is subject to change.

STUDENT VIEW

"I chose my course as the subjects were broad and sounded very interesting. Law was always something that was of interest to me so this course was a great step to learning about the field of law. I chose to study in WIT as I knew from the open day that this was the college I wanted to study in. I have always loved Waterford city, ever since a young age. The people are very welcoming and there is a great sense of culture in the city."

Lauren Hayde

BACHELOR OF ARTS IN

LEGAL STUDIES

ADD-ON COURSE

WD073

wit.ie/wd073

LEVEL

7

ADD-ON COURSE

Entry to this course will be open to students who hold a Higher Certificate in Arts in Legal Studies or equivalent qualification (subject to availability of places).

DURATION
1 year

COURSE LEADER
Anne Marie McGrath
Email: ammcgrath@wit.ie

Course Aims

This is a one year add-on course for students who wish to seek employment in areas where law plays a prominent role. Students can also proceed to honours degree level studies having attained the required standards in the degree examinations.

Career Opportunities

Graduates of the BA in Legal Studies have found work in the following areas:

- Solicitors' Practices
- Legal Department of Business Organisations
- Auctioneers
- Property Management Sector

Follow on Study

BA (Hons) in Legal Studies with Business - WD053

Nolan, Farrell & Goff Merit Prize

Students on this programme are eligible for the Nolan, Farrell and Goff Merit Prize. This prize is awarded annually to the student achieving the highest result in Property Law on either the BA in Legal Studies or the LLB Bachelor of Laws.

COURSE OUTLINE

ONE YEAR ADD-ON (YEAR THREE)

SEMESTER FIVE	SEMESTER SIX
Law of Property 1	Law of Property 2
Equity and Law of Trusts 1	Equity & Law of Trusts 2
Tort Law 1	Tort Law 2
Constitutional Law 1	Constitutional Law 2
Succession Law 1	Succession Law 2
Criminal Law	Criminal Law & Procedure

BACHELOR OF ARTS (HONS) IN

LEGAL STUDIES WITH BUSINESS

ADD-ON COURSE

WD053

wit.ie/wd053

LEVEL

8

ADD-ON COURSE

Entry to this course will be open to students who hold a BA in Legal Studies or equivalent qualification (subject to availability of places).

DURATION
1 year

COURSE LEADER
Dr Sinead Connelly
Email: sconneely@wit.ie

Course Aims

The BA (Hons) in Legal Studies with Business is a one year add-on degree course which follows on from the BA in Legal Studies

This course is accredited by the Board of the Honourable Society of Kings Inns for students holding both the Higher Certificate in Arts in Legal Studies and the BA in Legal Studies.

Special Feature of the Programme

The interdisciplinary nature of this course caters for students who are considering entering the employment market and who are attracted not only to the possibility of a career in the legal sector but also to a career in the business sector. The mix of law and business modules offered on this programme expands the range of careers that are available to graduates once they have completed the course.

Career Opportunity

Graduates of the BA (Hons) in Legal Studies with Business have found work in the following areas:

- Legal Sector
- Commercial Sector
- Financial Sector
- Teaching
- Insurance Sector

COURSE OUTLINE

ONE YEAR ADD-ON (YEAR FOUR)

SEMESTER SEVEN		SEMESTER EIGHT	
Contract Law 1		Contract Law 2	
Company Law 1		Company Law 2	
Insurance Law		Financial Management 2	
CHOOSE 3	Financial Accounting 1	Financial Accounting 2	
	Financial Management 1	Organisational Studies	
	Human Resource Management	CHOOSE 4	European Union Law 2
	Foundations of Business Strategy		Financial Services Law 2
	European Union Law 1		Administrative Law
	Financial Services Law 1		Jurisprudence 2
	Jurisprudence 1		Arbitration Law
			Business Strategy

Course outline is subject to change.

STUDENT VIEW

"The BA (Hons) in Legal Studies with Business was very intensive and challenging but the variety of law and business subjects gave me many opportunities when deciding what route to take in my career. The range of subjects has proven very relevant to my current employment in the insurance industry. The knowledge and analytical skills gained throughout my studies in WIT have really assisted me in my career to date."

Dana Lopez

HIGHER CERTIFICATE IN ARTS IN

HOSPITALITY STUDIES

APPLY CAO
WD173
wit.ie/wd173

LEVEL
6

ENTRY REQUIREMENTS
5 subjects: O6/H7
English or Irish: O6/H7

OTHER REQUIREMENTS
Students on this course will be required to provide their own uniforms and equipment for practical classes; the estimated cost is €200.

DURATION
2 years

POINTS 2019
Min: 182
Range: 182 - 462

COURSE LEADER
Fabrice Bartholin
Email: fbartholin@wit.ie

Course Aims

This two year full-time course qualifies students for multi-skilled hospitality employment at a professional level. Training covers both theory and practice, including a period of work placement in the hospitality industry at the end of year one. This course is particularly attractive for those who enjoy variety and are looking for all-round experience. Many graduates go on to specialise in a particular area in the hospitality industry, including management.

Career Opportunities

Students are provided with a qualification recognised worldwide. They will have a strong foundation in the operational skills and junior management techniques, which are essential for supervisory positions in the hospitality sector. This qualification offers huge international opportunities.

Follow on Study

BA (Hons) in Hospitality Management - WD091

Unique Features

Students complete a placement organised by the Institute, and tailored to suit their learning needs. WIT has world class facilities which allow students to learn practical and applied skills in specially designed service restaurants, demonstration theatres, teaching kitchens and language laboratories.

COURSE OUTLINE

YEAR ONE

SEMESTER ONE
- Learning to Learn
- Food & Beverage Operations 1.1
- Food & Beverage Cost Control
- Accommodation Operations
- Information Technology
- Elective

SEMESTER TWO
- Personal Development & Career Planning
- Food & Beverage Operations 1.2
- Culinary Studies
- Facilities Operations
- Communications & Customer Care
- Elective

YEAR TWO

SEMESTER THREE
- Advanced Food & Beverage 2.1
- Front Office Operations 2.1
- Human Resource Management & Training
- Tourism Studies
- Introduction to Hospitality Accounting
- Elective

SEMESTER FOUR
- Hospitality Financial Accounting
- Advanced Food & Beverage 2.2
- Front Office Operations 2.2
- Introduction to Management
- Marketing Principles
- Elective

Course outline is subject to change.

STUDENT VIEW

"The transition to third level education in WIT has given me a great sense of independence. The lecturers are fantastic to help you out and they help if they can with any advice. There are plenty of clubs and societies available to join, but the cherry on top has been the work placement. I got paid summer work placement in a hotel in Galway City. It has opened my eyes to the world of hospitality and has taught me a lot over the last few months."

Siobhan O'Grady

BACHELOR OF ARTS (HONS) IN

HOSPITALITY MANAGEMENT

APPLY CAO **WD091**

wit.ie/wd091

LEVEL **8**

ENTRY REQUIREMENTS
2 subjects: H5
4 subjects: O6/H7
English or Irish: O6/H7
Mathematics: O6/H7

OTHER REQUIREMENTS
Students on this course will be required to provide their own uniforms and equipment for practical classes; the estimated cost is €175.

DURATION
4 years

POINTS 2019
Min: 210
Range: 210 - 462

COURSE LEADER
Tony Quinlan
Email: tquinlan@wit.ie

Course Aims

The term Hospitality Management is most commonly associated with Hotels but also includes careers in entertainment venues, restaurants, bars and casual-dining, event management and contract catering.

This four year course is designed to equip graduates with a broad range of business skills combined with a thorough knowledge of the hospitality environment.

Career Opportunities

- Operations Management
- Licensed Premises Manager
- Hospitality Human Resources Manager
- Hospitality Sales & Marketing Managers
- Catering Managers / Restaurant Operators
- Conference and Event Coordinators
- Entertainments Management, Bars, Nightclubs, Venues, Casual Dining

Follow on Study

Students of this course have progressed to complete further postgraduate study and research in the areas of Hospitality, Tourism, and Business Management.

Hospitality Placement

During the first semester of year 3, students are required to complete a placement organised by the college in a hospitality organisation in Ireland or abroad. Students are actively involved in the decision making process in order that their choice of work experience is appropriate to their career aspirations and interests. This work experience allows students to gain real experience of working in a hospitality business.

Past companies who have been involved in the placements include: Four Seasons, Hilton, Westin, Mount Juliet Conrad, Park Hotel Kenmare, Jurys-Doyle, Tower Hotel Group and many more.

COURSE OUTLINE

YEAR ONE

SEMESTER ONE
- Language (French, German, Spanish, Italian)
- Basic Financial Accounting
- Introduction to Management
- Food & Beverage Service
- Introduction to Hospitality
- Service Operations
- Applied Communications and IT

SEMESTER TWO
- Front Office and Accommodation Operations
- Applied Communications and IT
- Language (French, German, Spanish, Italian)
- Hospitality Financial Accounting
- Management Studies
- Advanced Food and Beverage Service

Course outline is subject to change.

YEAR TWO

SEMESTER THREE
- Communication for Research
- Beverage Studies
- Language (French, German, Spanish, Italian)
- Introduction to Marketing
- Business Law
- Introduction to Management Accounting

SEMESTER FOUR
- Hospitality Marketing
- Conference & Event Management
- Hospitality Law
- Language (French, German, Spanish, Italian)
- Enterprise
- Oenology (Wine Studies)

YEAR THREE

SEMESTER FIVE
- Hospitality Industrial Placement

SEMESTER SIX
- Research Methods & Statistics
- Revenue Management
- Language (French, German, Spanish, Italian)
- International Hospitality & Tourism Seminar Series
- HRMB
- Services Marketing

YEAR FOUR

SEMESTER SEVEN
- Applied Research
- Strategic Hospitality Finance
- Strategic Management
- Language (French, German, Spanish, Italian)
- Human Resource Development & Employee Relations
- Web sites & E-Business for the Hospitality & Tourism Industry

SEMESTER EIGHT
- E-Commerce and Web Authoring
- Advanced Services Management
- Strategic Case Analysis
- Language (French, German, Spanish, Italian)
- Dissertation
- CHOOSE 1: Facilities Asset Management / Strategic HRM

STUDENT VIEW

"I greatly enjoyed my four years of studying Hospitality Management at WIT. The subjects covered in this course allowed me to experience a variety of different modules varying from practical classes to theory based classes. The field trips helped to expand my knowledge and gain an insight into realistic business practices. This course offers students the opportunity to work as individuals and as a team in various modules."

Daryl Daniels

HIGHER CERTIFICATE IN BUSINESS IN

TOURISM

APPLY CAO
WD174
wit.ie/wd174

LEVEL
6

ENTRY REQUIREMENTS
5 subjects: O6/H7
English or Irish: O6/H7

DURATION
2 years

POINTS 2019
Min: 134
Range: 134 - 434

COURSE LEADER
Dr Seamus Ó Diollúin
Email: sodiolluin@wit.ie

Course Aims

This course is two years full-time and will provide students with the core abilities to succeed in a variety of positions within the tourism and travel industry.

The subject of tourism is concerned with the movement of people, usually for leisure or business but increasingly for education, health or other purposes and how people and resources interact as the travel process takes place. It is also concerned with the impact tourism has on communities and in the management of that industry in order to maximise positive benefits.

Special Feature
An integral feature of this course is a period of work placement during the summer between year one and two. In year two you will also have the opportunity to specialise in two subjects, Guiding or Travel Trade Operations.

Career Opportunities

Graduates of the Higher Certificate in Business in Tourism with suitable post-qualification experience may reasonably expect to work as:

- Travel Advisers and Agents
- Ground Crew and Reservations Personnel in the aviation industry
- Tourist Information Officers
- Tour Representatives
- Guides in Visitor Attractions
- Customer Relations and Administrative Personnel in a variety of tourism-related organisations

Follow on Study

BA (Hons) in Tourism Marketing - WD148

COURSE OUTLINE

YEAR ONE

SEMESTER ONE

- Learning to Learn
- Information Technology
- Introduction to Tourism
- Customer Management
- Irish History & Heritage
- CHOOSE 1: French & Culture 1.1 / German & Culture 1.1 / Spanish A1

SEMESTER TWO

- Communications & Customer Care
- Irish Culture (A Tourism Resource)
- World Tourism Desinations
- Visitor Information & Tourism Product Knowledge
- Professional Development & Career Planning
- CHOOSE 1: French & Culture 1.2 / German & Culture 1.2 / Spanish A2

Course outline is subject to change.

YEAR TWO

SEMESTER THREE

- Guiding 1
- Principles of Marketing 1
- Introduction to Accounting
- Tourism Studies
- Travel Trade 1
- CHOOSE 1: French & Culture 2.1 / German & Culture 2.1 / Spanish B1.1 / Introduction to Management

SEMESTER FOUR

- Guiding 2
- Introduction to Management
- Principles of Marketing 2
- Financial Accounting
- Sustainable Tourism
- CHOOSE 1: French & Culture 2.2 / German & Culture 2.2 / Spanish B1.2 / Travel Trade 2

Not all electives may run and depends on student demand

STUDENT VIEW

"The lecturers were excellent and did everything they possibly could to help us throughout. It gave me great confidence when completing assignments as I knew I could go to them when I needed advice. I completed a 3 month placement in my local tourist office. Throughout my time there, I worked at the Fleadh Cheoil na hÉireann in Ennis which is the largest traditional Irish music concert in the world. Doing this course was the best decision I ever made!"

Marie Duffy

BACHELOR OF ARTS (HONS) IN

TOURISM MARKETING*

APPLY CAO **WD148**

wit.ie/wd148

LEVEL **8**

ENTRY REQUIREMENTS
2 subjects: H5
4 subjects: O6/H7
English or Irish: O6/H7
Mathematics: O6/H7

DURATION
3 years*

POINTS 2019
Min: 269
Range: 269 - 441

COURSE LEADER
Angelo Hurley BSc, MSc
Email: ahurley@wit.ie

*The BA (Hons) in Tourism Marketing (WD148) is currently being reviewed.
Please see www.wit.ie for the final approved version of this course and for the most up to date information.

Course Aims

The three year BA (Hons) in Tourism Marketing is designed to provide learners with the theoretical and practical skills necessary for a successful career in a number of sectors within the wider travel and tourism industry. The structure of the course and the modules undertaken at each year are designed to develop necessary managerial and marketing abilities.

Language Options

Students can choose to study one of the following language options: Italian (beginners), Spanish (beginners), German (beginners) or French (Post Leaving Certificate).

Careers in Tourism

Successful graduates of this course are likely to find employment in marketing or management positions in the following areas:

- Visitor facilities, attractions and heritage centres
- Inbound and outbound tour operations
- Public and non-profit making organisations including government organisations, Regional Tourist Authorities, community groups and tourism co-operatives
- Transport industry
- Hospitality industry and in the major group marketing agencies for the hospitality industry
- Travel agency sector
- Self-employment in small and medium tourism enterprises

Hospitality Placement
Students undertake a Professional Practice module in Year Two in preparation for a period of tourism placement during the summer between years two and three. This experience will provide the learner with the opportunity to apply theory to a practical context and help the student to finalise future career plans. The placement can be taken in Ireland or internationally.

COURSE OUTLINE

YEAR ONE

SEMESTER ONE
- The Tourism System
- Language
- Introduction to Communications and Information Technology
- Foundations of Marketing
- Basic Financial Accounting
- Introduction to Management

SEMESTER TWO
- The Strategic Marketing Mix
- Organisation Behaviour
- Applied Communication and Information Technology
- Language
- Tourism Studies
- Introduction to Economics of Tourism

Course outline is subject to change.

YEAR TWO

SEMESTER THREE
- Business Law
- Market Research Theory
- Language
- Intercultural Studies
- Consumer Behaviour
- CHOOSE 1: Information Technology and Travel / Conference & Event Management

SEMESTER FOUR
- Research Methods & Statistics
- Introduction to Management Accounting
- Entrepreneurship, Innovation & Tourism
- Language
- Integrated Marketing Communication
- CHOOSE 1: Revenue Management / Tourism Destinations / Heritage & Cultural Studies

YEAR THREE

SEMESTER FIVE
- International Marketing
- Dissertation
- Services Marketing
- The Impacts of Tourism
- Professional Practice
- CHOOSE 1: Travel & Tour Operations / Language / Digital Marketing Strategy

SEMESTER SIX
- Sustainable Tourism
- Global Strategic Marketing
- Tourism Branding
- Dissertation
- E-Commerce & Web Authoring
- CHOOSE 1: Advertising Management / Language / Facilities Asset Management

Not all electives may run and depends on student demand

STUDENT VIEW

"I successfully completed the BA in Tourism Marketing course in WIT. I really enjoyed my time studying as the lecturers were very helpful and the course content was varied and well balanced. The lectures were never crowded which created a good learning environment. Two months after graduating, I secured employment in the tourism industry."

Luisa Golz

HIGHER CERTIFICATE IN ARTS IN

CULINARY ARTS

APPLY CAO
WD172
wit.ie/wd172

LEVEL
6

ENTRY REQUIREMENTS
5 subjects: O6/H7
English or Irish: O6/H7

OTHER REQUIREMENTS
Students will have to obtain chefs uniforms, culinary equipment and text books
Estimated cost of uniforms - €200
Estimated cost of equipment - €150
Estimated cost of text books - €200

DURATION
2 years

POINTS 2019
Min: 142
Range: 142 - 578

COURSE LEADER
Mathias McGivney
Email: mcgivney@wit.ie

Course Aims

This course is delivered over two years full-time. This is the course to train and develop you for the role of professional chef in the world of tourism and hospitality. As a chef you need to be creative with food, aware of cost and food safety in the kitchen environment. On completing this course you will have the foundation and knowledge to further your career in today's fast growing industry.

Training covers theory and practice in professional cookery. Work based learning takes place during the summer months in catering establishments throughout the country.

Benefits to be gained form this course

- Be qualified to work in various catering establishments i.e., resturants/hotels/gastro bars/cruise ships/contract catering/ factory catering/food development
- Travel abroad as the qualification is recognised worldwide

Follow on Study

BA (Hons) in Culinary Arts - WD194

COURSE OUTLINE

YEAR ONE

SEMESTER ONE
Culinary Skills 1.1
Culinary Operations 1.1
Pastry 1.1
Food Safety & Culinary Science
Learning to Learn
Information Technology

SEMESTER TWO
Culinary Skills 1.2
Culinary Operations 1.2
Pastry 1.2
Communication
Work Based Learning
Nutrition

YEAR TWO

SEMESTER THREE
Culinary Skills 2.1
Global Cuisine
Pastry 2.1
Essentials of Business 2.1
Gastronomy
Applied Culinary Science

SEMESTER FOUR
Culinary Skills 2.2
Buffet Presentation
Pastry 2.2
Classical & Contemporary
Essentials of Business 2.2
Restaurant Service

Course outline is subject to change.

STUDENT VIEW

"I decided to come back to college as I had always had a dream of becoming a chef. I had such an itch to scratch that I decided it was now or never. My long-term dream for me is to become self-employed and I am on the road to this having graduated with the Higher Cert in Culinary Arts. What I will say to any student thinking about going back to college is to 'go for it'."

John Keenan

BACHELOR OF ARTS (HONS) IN

CULINARY ARTS

APPLY CAO
WD194
wit.ie/wd194

LEVEL
8

ENTRY REQUIREMENTS
2 subjects: H5
4 subjects: O6/H7
English or Irish: O6/H7
Mathematics: O6/H7

DURATION
4 years

POINTS 2019
Min: 235
Range: 235 - 441

COURSE LEADER
Lorain Walsh
Email: lswalsh@wit.ie
Tel: 051 302717

Course Aims

This is a full time, four year, level 8 programme of innovative and dynamic culinary study. It is a revisioning of traditional culinary skills training to include a number of other disciplines such as food innovation, media and visual arts, food policy, speciality food production, sustainable practices and gastronomy.

The curriculum has been designed to bring students into the worlds of interdisciplinary learning, research and enquiry and the emphasis is less on training and more on holistic development in order that graduates will elevate current industry practices to a new dimension both regionally and nationally. Graduates will be empowered to become self-starters with passion and entrepreneurial traits.

International and Industrial Experience

Central to the degree is a year combining industrial and international experience. During the first semester of year 3 students complete an internship in industry, followed by an opportunity to take a semester of international study in semester 6. This will offer culinary students first-hand experience of international standards and best practice in culinary operations.

Interdisciplinary study

Interdisciplinary study of social, human and culinary sciences and will encourage students to think about the future of gastronomy, encouraging them to explore the connection between environmental consciousness and creativity, politics and food production, the media and culinary arts, amongst other things.

Opportunities

The interdisciplinary nature of study equips graduates with the skills and knowledge to establish a career path in the culinary sector and increased flexibility to work in varied employable sectors such as:

- management positions within the hospitality sector, such as specialist chef, chef de partie and sous chef
- marketing and promotion
- entrepreneurship in creative food technology and development industries
- food product innovation centres
- artisan food production units
- food promotion
- education and training;
- event catering and food and beverage retail management
- in the domain of food styling
- food and related journalism

Follow on Study

Students who have reached the appropriate honours standard may have access to a range of Masters Degrees in WIT and elsewhere.

COURSE OUTLINE

YEAR ONE

SEMESTER ONE
- Fundamentals of Culinary Skills
- Introduction to Gastronomy
- Food Safety & Technology
- Critical & Creative Thinking
- CHOOSE 1: Introduction to Business Management / Language

SEMESTER TWO
- Development of Culinary Skills
- Development of Modern International Gastronomy
- Nutrition & Scientific Principles
- Information & Communication Technology for Culinary Arts
- CHOOSE 1: Organisational Behaviour / Language

YEAR TWO

SEMESTER THREE
- Advanced Culinary Skills
- Oenology
- Food Analysis
- Financial Accounting
- CHOOSE 1: Marketing for Culinary Business Enterprises / Entrepreneurship / Language

SEMESTER FOUR
- Culinary Operations
- Food, Energy and Sustainable Practices in Culinary Arts
- Food Microbiology
- CHOOSE 1: Costing and Budgeting for Culinary Arts / Research Methodology / Language

YEAR THREE

SEMESTER FIVE
- Industrial Placement

SEMESTER SIX
- International Study

YEAR FOUR

SEMESTER SEVEN
- Contemporary Food Policies
- CHOOSE 1: Advanced Culinary Applications: Classical & Contemporary Cuisine / Advanced Culinary Applications: Pastry & Confectionary 1

Electives (15 Credits)
- Food Innovation 1 (15)
- **or** Media & Visual Arts 1: Writing About Food (5)
- **and** Artisan /Specialty Food Production (10)

SEMESTER EIGHT
- European Food Regulatory Affairs
- CHOOSE 1: Specialist Culinary Applications: Specialised Kitchen & Larder / Specialist Culinary Applications: Pastry & Confectionary 2

Electives (15 Credits)
- CHOOSE 1: Food Innovation 2 (15) / Media & Visual Arts 2: Food Imagery, Promotion & Design (5) **and** Artisan/Specialty Food Production (10)

Course outline is subject to change.

STUDENT VIEW

"WIT is a great place to study. The lecturers there are very informative, friendly and will go above and beyond to get you on your journey. This course is a great course for furthering your knowledge in your gastronomic journey. From learning new techniques and presentation ideas, to culinary leadership and oenology, this course will open new ideas for you. I have set up my own business, the Bay Tree Bistro's since completing my degree at WIT."

Keith Boyle, Chef and Owner of Restaurant Lady Anne, Castlecomer, Co. Kilkenny

BACHELOR OF ARTS (HONS) IN

MUSIC

APPLY CAO
WD027
wit.ie/wd027

LEVEL
8

ENTRY REQUIREMENTS
2 subjects: H5
4 subjects: O6/H7
English or Irish: O6/H7
Mathematics: O6/H7

OTHER REQUIREMENTS
In addition to Leaving Certificate, students are required to attend for written and aural musical tests and to show a performance standard achievement with a musical instrument equivalent to grade 5 of a recognised music examining body. All applicants must attend for the written examination and aural test to be considered for a place.

POINTS 2019
Min: 290
Range: 290 - 390

COURSE LEADER
Dr Hazel Farrell
Email: hfarrell@wit.ie

RESTRICTED COURSE
As this is a restricted course, applicants must apply by 1 February.

INSTRUMENT TUITION
Should you be offered and accept a place on WD027, tuition will be provided in the instruments listed on www.wit.ie/WD027. You will be required to specialise in one of these instruments.

DURATION
4 years

Course Aims

The course is a four year full-time degree in music, which offers the student an opportunity to specialise in classical music, Irish traditional music or jazz and popular music. The course outline below shows a snapshot of modules studied over the four years.

Career Opportunities

A degree in music is a valuable asset for access to many other careers. In particular, music graduates are sought after in professions which demand a high level of personal confidence, communication skills and expressive ability. Graduates of the course have found employment as:

- Teachers after gaining a professional Master of Education
- Performers
- Administrators
- Composers
- Arrangers (in the area of music technology and other related areas)
- Arts management

Follow on Study

Many graduates continue with one of our postgraduate MA & PhD programmes, or the Professional Master of Education or Masters programmes in relevant areas. Graduates can also apply for a place on our taught MA in Arts & Heritage Management.

Special Feature

The course offers a balance between academic and practical music subjects.

COURSE OUTLINE

YEAR ONE

SEMESTER ONE	SEMESTER TWO
Critical Thinking & Writing Skills	Music Research Methodologies
Music Technology	Music Technology 2
Composition 1	Composition 2
Performance 1	Performance 2
General Musicianship 1	General Musicianship 2
CHOOSE 1: Keyboard Skills	CHOOSE 1: Keyboard Skills
CHOOSE 1: Vocal Skills	CHOOSE 1: Vocal Skills
CHOOSE 1: Fretboard Skills	CHOOSE 1: Fretboard Skills
CHOOSE 1: Improvisation	CHOOSE 1: Improvisation
CHOOSE 1: Irish Traditional Practical	CHOOSE 1: Irish Traditional Practical
CHOOSE 1: Music History	CHOOSE 1: Music History

Course outline is subject to change.

YEAR TWO, THREE & FOUR

Music History
There is a wide range of history options; some examples include ethnomusicology, baroque, popular music since 1950, Irish contemporary music, traditional Irish music and the Beebop era.

Technical Subjects
In addition students also study technical subjects such as:
- Music Technology
- Digital, Audio & Acoustics
- Advanced Recording Techniques

Ensembles
Students take part in a weekly large performance group (Jazz, Chamber Choir, Guitar, Irish Traditional and Orchestra).

Major & Minor
In Year 4, students can choose a major and a minor in the following subjects:
- Composition
- Dissertation
- Performance
- Advanced Music Technology
- Critical Music Editing
- Conducting

The delivery of electives will depend on the demand and resources available

STUDENT VIEW

"I chose to study at WIT because of the high calibre of staff and the prestigious Music School. I always had a love for music and started my degree majoring in Bass guitar. I completed my undergraduate studies, for which I received a First Class Honours BA (Hons) in Music, majoring in composition."

Patrick O'Connor

BACHELOR OF ARTS (HONS) IN

VISUAL ART

APPLY CAO
WD152
wit.ie/wd152

LEVEL
8

ENTRY REQUIREMENTS
2 subjects: H5
4 subjects: O6/H7
English or Irish: O6/H7
Mathematics: O6/H7
Art or Design & Communication Graphics: O3/H5

DURATION
4 years

POINTS 2019
Min: 253
Range: 253 - 506

COURSE LEADER
Dr Susan Connolly
Email: sconnolly@wit.ie

What is Visual Art?

The concept of visual art is very broad. For example, it can refer to a skillfully crafted object or an inspired visual statement. What we can say is that visual art plays a crucially important role in our lives, enhancing them in various ways.

Course Aims

This four year honours degree in visual art at WIT has been informed by the latest developments in art theory and practice. These include, the use of inter and multi-disciplinary approaches, availing of the creative opportunities inherent in new media and the development of a comprehensive understanding of contemporary critical theory. At the same time, the course recognises the continuing significance of more traditional art forms, such as drawing and painting, and these are incorporated into the programme.

The course is structured on the basis of a modularised four-year degree, starting with the inculcation of core skills. These are then extended through a number of thematic projects in which practical ability is augmented and strengthened by the development of critical theory. Finally, each student brings his/her cumulative learning to bear on the accomplishment of a personal artistic project.

Career Opportunities

- Professional Artists
- Community Artists
- Audio Visual Producers
- Computer Animators
- Theatre Designers
- Arts Management

Follow on Study

MA in Art by Research
Taught MA in Art & Heritage Management

COURSE OUTLINE

YEAR ONE

SEMESTER ONE
- Art Core Studies 1
- 2D Media 1.1
- 3D Media 1.1
- Creative IT Applications (Art)
- Art History/Critical
- Thinking Skills

SEMESTER TWO
- Art Core Studies 2
- 2D Media 1.2
- 3D Media 1.2
- Research Methodologies in Art & Art History

YEAR TWO

SEMESTER THREE
- 2D Media 2
- 3D Media 2
- Live Art 1
- Creative Multimedia 1
- Photography 1
- History of Early Modern Art

SEMESTER FOUR
- Live Art 2
- Creative Multimedia 2
- Introduction to Drama Practice
- History of Modern and Postmodern Art

YEAR THREE

SEMESTER FIVE
- Identity and Context
- Arts Management
- Art & its Histories
- CHOOSE 1: 2D Media Studies / 3D Media Studies

SEMESTER SIX
- Creative Multimedia 3
- Art - Environment
- Research & Project Proposal
- Critical Artistic Debates

YEAR FOUR

SEMESTER SEVEN
- Major Art Project 1
- Art History Dissertation
- Project Analysis

SEMESTER EIGHT
- Major Art Project 2

The delivery of electives will depend on the demand and resources available

Course outline is subject to change.

STUDENT VIEW

"My time at WIT helped me to develop the discipline to work on art every day. I enjoyed first year especially where I spent a lot of time on the basics of drawing and colour theory. It is a great course for trying out different disciplines and developing and following through with concepts for projects. My graduate exhibition in WIT was a series of self-portraits portraying the seven deadly sins. WIT gave me a good foundation to start my art career."

Deborah Reidy

Photo credit: Deborah Reidy's "Portrait of sculptor Mark Maher" as exhibited at the prestigious Royal Hibernian Academy Dublin

BACHELOR OF ARTS (HONS) IN

DESIGN (VISUAL COMMUNICATIONS)

APPLY CAO **WD137** wit.ie/wd137

LEVEL **8**

ENTRY REQUIREMENTS
2 subjects: H5
4 subjects: O6/H7
English or Irish: O6/H7
Mathematics: O6/H7
Art or Design & Communication Graphics: O3/H5

DURATION
4 years

POINTS 2019
Min: 253
Range: 253 - 484

COURSE LEADER
Ms Jackie Raftery
Email: jraftery@wit.ie

What is Visual Communications?

Visual Communication is often referred to as graphic design and it embraces symbols, type and images that appear in the commercial public domain. Graphic designers work across a wide variety of print and screen disciplines and the end result is normally a creative output in 2D format. With the arrival of digital and mobile technology, visual communication now includes virtual media, information design and screen-based design.

Course Aims

This is a four year degree course, which prepares students for employment in the advertising and design arena. The course reflects academic and creative input, which is required for the dynamic nature of commercial graphic design. The degree has been designed to be innovative, consisting of studio practice, design history, marketing, legal and visual culture. The practice-based elements of the course include graphic design/typography in print and design, illustration, together with printmaking, digital media and photography.

Career Opportunities

Graduates of the BA (Hons) in Design (Visual Communications) find employment in the following areas:

- Advertising Agencies
- Digital Media
- Screen & Web Design
- Marketing
- Printing & Digital Output Design
- Design Consultancies
- Television
- Public Relations
- Illustration
- Publishing & Editorial
- Photo & Image Libraries

Special Feature
The primary learning curve is to develop strong creativity that will result in building confidence through experimentation. Other special features include legal aspects and entrepreneurial development.

Follow on Study

Graduates can proceed to the postgraduate Higher Diploma in Art & Design in Education and to Masters Research.

COURSE OUTLINE

YEAR ONE

SEMESTER ONE
- Design Core One
- Design Technology One
- Illustration One
- Photography One
- Writing and Study Skills

SEMESTER TWO
- Design Core Two
- Design Technology Two
- Illustration Two
- Photography Two
- Research Methods

YEAR TWO

SEMESTER THREE
- Design Core Three
- Design Technology Three
- Image-making One
- Design Culture One

SEMESTER FOUR
- Design Core Four
- Design Technology Four
- Image-making Two
- Design Culture Two

YEAR THREE

SEMESTER FIVE
- Design Core Five
- Image-making Three
- Design Culture Three
- Marketing

SEMESTER SIX
- Design Core Six
- Design Culture Four
- CHOOSE 2: Legal Aspects / Film Studies / Independent Study

YEAR FOUR

SEMESTER SEVEN
- Design Core Seven
- Design Culture Five (Thesis)
- Design Studio Practice

SEMESTER EIGHT
- Design Core Eight
- Entrepreneurial Skills

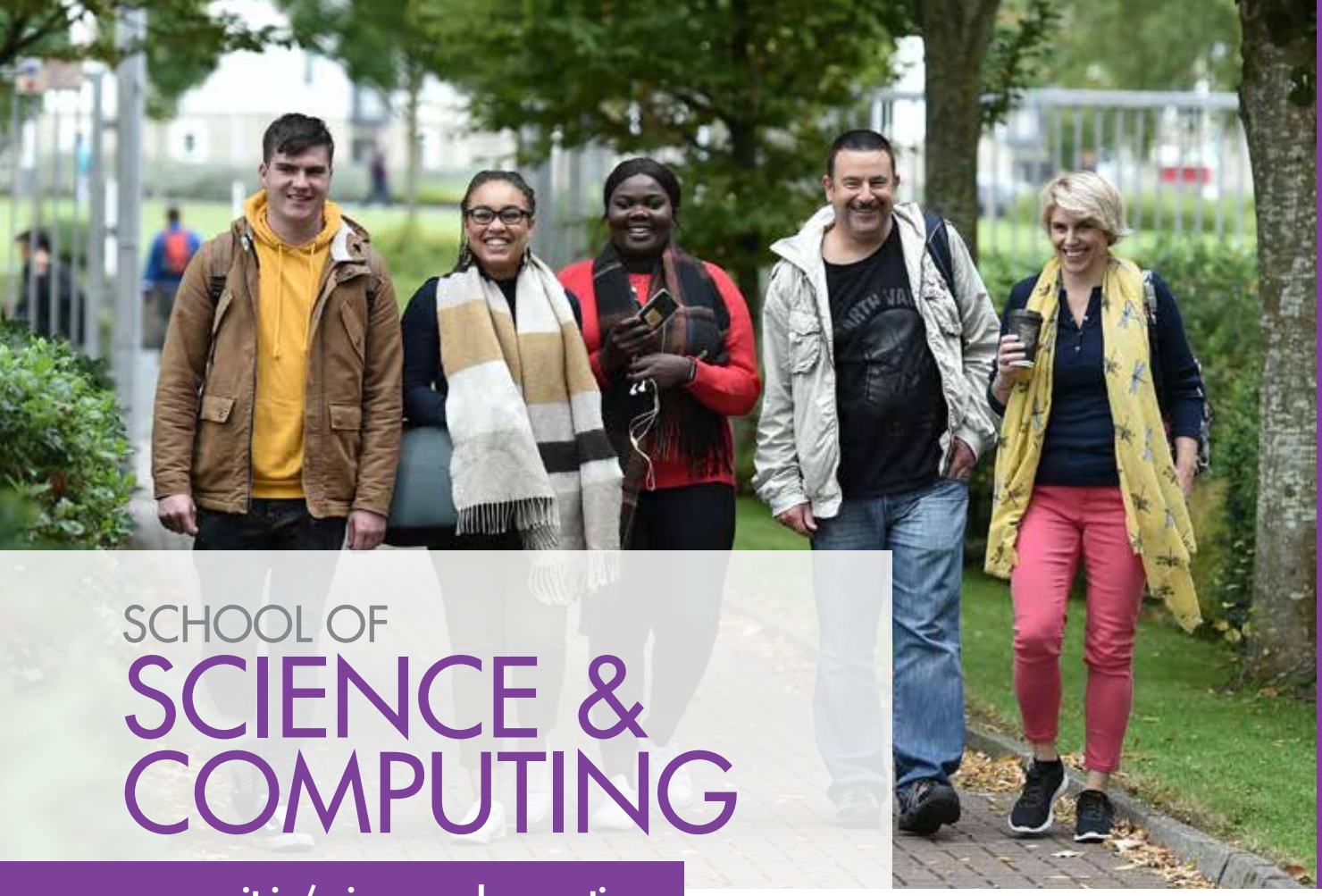
The delivery of electives will depend on the demand and resources available

Course outline is subject to change.

STUDENT VIEW

"I always had a keen interest in the aesthetics of art and design so going on to do this course was a no-brainer for me. In this course, the one-on-one time you get with the lecturers is invaluable as each individual lecturer has their own advice and experiences to share. The experience of working in a real design studio setting has been a great learning curve and I have to thank WIT for preparing me."

Paul Devereux



SCHOOL OF SCIENCE & COMPUTING

www.wit.ie/scienceandcomputing

DEPARTMENT OF SCIENCE

DEPARTMENT OF COMPUTING & MATHEMATICS

SCHOOL OF SCIENCE & COMPUTING

Head: Peter McLoughlin, BSc, FICI, PhD

Adminstrator: Fiona Power
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DEPT. OF SCIENCE

Head: Orla O'Donovan, BSc, PhD

Assistant Head: Eleanor Kent, BSc, MSc

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DEPT. OF COMPUTING & MATHEMATICS

Head: Alan Davy, BSc, PhD

Secretary: Mary Ryan
Tel: 051 302482
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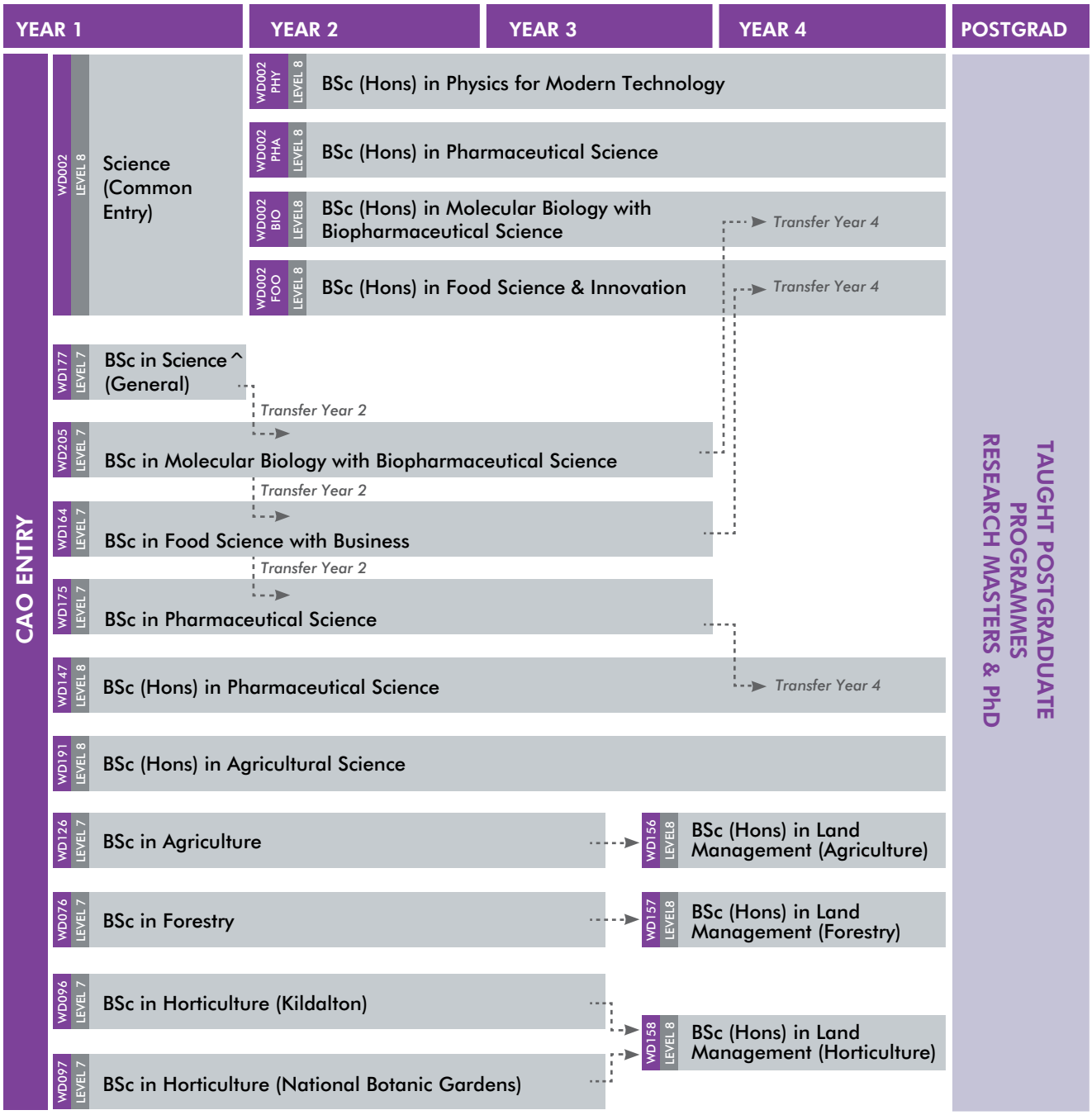
SCIENCE AT WIT

DEPARTMENT OF SCIENCE



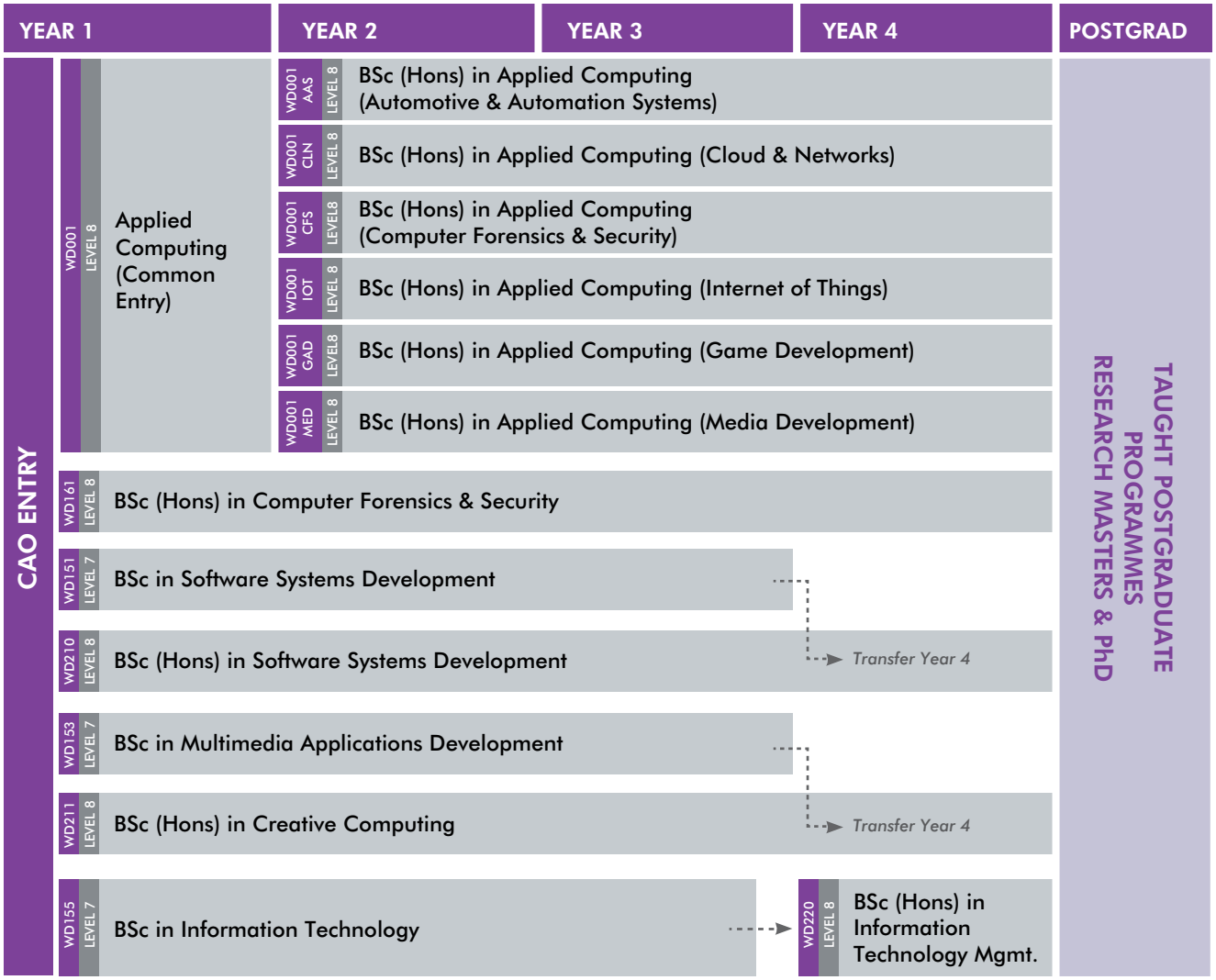
Advanced Entry: Students who have completed all or part of a third level qualification may be eligible for entry into years other than year 1 of our courses. See www.wit.ie/advancedentry

^ Course choice in Year 2 is subject to availability of places and minimum performance requirements

www.wit.ie/science

COMPUTING AT WIT

DEPARTMENT OF COMPUTING & MATHEMATICS



Advanced Entry: Students who have completed all or part of a third level qualification may be eligible for entry into years other than year 1 of our courses. See www.wit.ie/advancedentry

Industrial Placement
The Work Placement Programme for Computing students at WIT is an integral, accredited module for all of our third year undergraduate students. Work Placement gives students the opportunity to apply the theory they have acquired on their degree programme to real-world problems and tasks, in an industry setting. It also enables third level institutions to interface more effectively with industry partners and to build relationships with companies in the region and nationally.

www.wit.ie/computing

SCIENCE
(Common entry)

APPLY CAO
WD002
wit.ie/wd002

LEVEL
8

ENTRY REQUIREMENTS
2 subjects: H5
4 subjects: O6/H7
English or Irish: O6/H7
Mathematics: O6/H7

RECOMMENDATION
Applicants should note that a science subject (Biology, Chemistry, Physics, Physics with Chemistry or Agricultural Science) at Leaving Certificate is recommended for this programme.

DURATION
4 years

POINTS 2019
Min: 302
Range: 302 - 565

COURSE LEADER
Dr Evelyn Landers
Email: emlanders@wit.ie
Tel: 051 302713

Why Study Science?
Studying science creates a well-rounded individual who has the ability to analyse and question the things around them, and has the potential to improve the quality of life through the research that they do. Studying science will broaden a person's understanding of the world around them and give them the skills needed to approach matters in a reasoned and analytical manner.

Careers in Science
One of the best reasons for studying science is the wide variety of career opportunities that the graduate has access to. A science degree is a well established platform to a surprisingly wide range of careers outside science (e.g. management, sales) as well as within science (research, teaching).

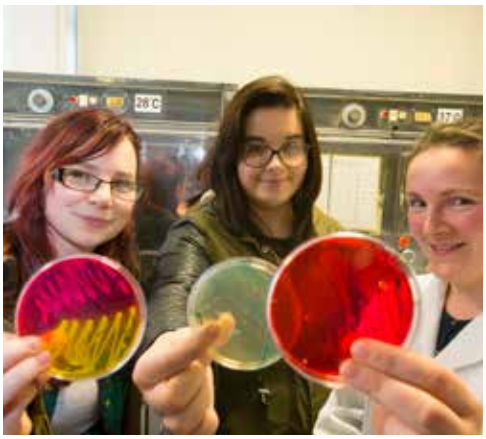
What is Science (Common Entry)?
Science (Common Entry) was designed as a common entry course for the student who has a keen interest in science, but is unsure of which area they would like to specialise in.

This course gives the student a flavour of a variety of different scientific disciplines, allowing them to keep their options open when applying to study science at third level.

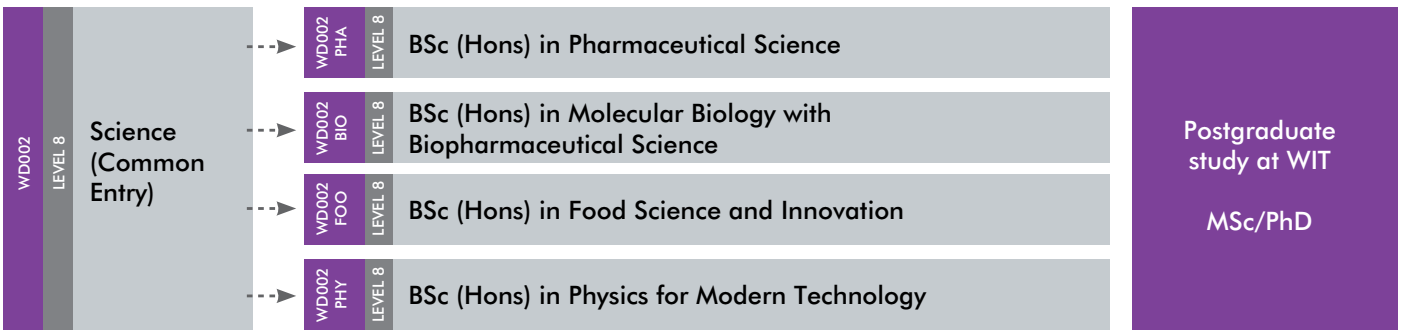
Course Modules
The modules of this course offer an introduction to biology, chemistry, physics, mathematics and computing. Modules are also offered in specialised areas such as Food Science, Pharmaceutical Science, Molecular Biology, Biopharmaceutical Science and Physics. The student can get a taste of what is involved in each of these areas, before making a more informed choice as to which area they would like to specialise in for their degree.

Progression Opportunities
Upon completion of Year 1 of Science (Common Entry), students have the choice of progressing into Year 2 of any of the following degree courses:

- BSc (Hons) in Pharmaceutical Science (WD002 PHA)
- BSc (Hons) in Molecular Biology with Biopharmaceutical Science (WD002 BIO)
- BSc (Hons) in Food Science and Innovation (WD002 FOO)
- BSc (Hons) in Physics for Modern Technology (WD002 PHY)


SCIENCE (Common Entry) DEGREE OPTIONS



More information on each of the above progression routes/courses can be found on the subsequent pages of this handbook.

BACHELOR OF SCIENCE (HONS) IN

PHARMACEUTICAL SCIENCE

WD002 PHA

DEGREE OPTION
FROM WD002

wit.ie/wd002PHA

LEVEL
8

ENTRY ROUTE

WD002: Science (Common entry)

DURATION
4 years

COURSE LEADER
Dr Claire Lennon
Email: clennon@wit.ie

What is Pharmaceutical Science?

The Pharmaceutical Industry makes a vital contribution to society through the development and production of drugs such as antibiotics for infectious diseases, cancer treatments and antiviral drugs. The pharmaceutical sector plays a very important role in Ireland's economy. The Industry is highly regulated to make sure that medicine and treatments produced are safe and effective. Employees in the Pharmaceutical Industry must be highly skilled and there is a very strong demand for graduates qualified in pharmaceutical science.

Course Aims

This is a four year full-time honours degree aimed at preparing graduates for the pharmaceutical industry. Students will be exposed to a broad range of subjects and laboratory instrumentation relevant to the pharmaceutical industry. A research project is also carried out in year 4. The course also provides graduates with a range of transferable skills so that graduates are qualified for a wide range of science-based industries.

Work Placement

A six-month work placement is included in the third year of the course.

Follow on Study

MSc and PhD by research.

Career Opportunities

A degree in pharmaceutical science will provide graduates with skills that are much sought after in a range of sectors including:

- Senior Quality Control laboratory technician
- Instrumentation specialist
- Quality Assurance specialist
- Research technician
- Postgraduate researcher

Research at WIT

WIT lecturing staff teaching on this course are actively involved in a range of highly successful and well-funded research work related to pharmaceutical science. Collaborators include national and international universities and research institutes, and industrial partners from the pharmaceutical sector both in Ireland and abroad. Current research areas include: development of novel polymers for therapeutic drug delivery, biomedical research in eye treatment, novel analytical methods for pharmaceutical products, sensing devices for environmental analysis, biotechnology for drug synthesis and bioremediation.

COURSE OUTLINE

YEAR ONE

SEMESTER ONE
- Introductory Biology
- Introductory Chemistry
- Introductory Physics
- Introductory Mathematics
- Introduction to ICT for Scientists
- Good Laboratory Practice & Core Skills

SEMESTER TWO
- Cell Biology and Biochemistry
- Mathematics for Scientists
- Physical and Organic Chemistry
- Physics for Scientists

CHOOSE 2
- Introduction to Biotechnology and Pharmaceutical Science
- Introduction to Food Science
- Introduction to Modern Physics
- Plant Biology
- Science & Society

YEAR TWO

SEMESTER THREE
- Organic Chemistry and Biomolecules
- Spectroscopic Techniques
- Physical Chemistry
- Statistics for Scientists
- Pharmaceutical Science
- Laboratory Data Analysis and Presentation

SEMESTER FOUR
- Pharmaceutical Organic Chemistry
- Chromatographic and Electrophoretic Techniques
- Inorganic Chemistry
- Pharmaceutical and Biopharmaceutical Processing
- Biopharmaceutical Science
- Applied Mathematics for Scientists

YEAR THREE

SEMESTER FIVE
- Total Quality Management
- Chromatographic Method Development and Validation
- Pharmaceutical Biotechnology
- Pharmaceutical and Natural Products
- Advanced Spectroscopic Analysis of Organic Compounds
- Inorganic & Physical Chemistry

SEMESTER SIX
- Work Placement

YEAR FOUR

SEMESTER SEVEN
- Pharmaceutical Synthesis & Characterisation
- Advanced Topics in Physical Chemistry
- Research Methodology & Literature Review
- Regulatory Affairs & Compliance
- Advanced Techniques in Pharmaceutical Science

SEMESTER EIGHT
- Advanced Quality Methodologies
- Pharmaceutical Formulation & Drug Delivery
- Pharmacology, Drug Design & Synthesis
- Advanced Inorganic & Photochemistry
- Research Project

Course outline is subject to change.

STUDENT VIEW

"I have always loved chemistry when in secondary school and also have a passion with relation to saving lives. During my 6 months' work placement, I worked as a Laboratory Analyst. I was involved in three different projects with R&D during my placement with the company. It was a wonderful experience, valuable lessons and better preparation for the future and a great opportunity to develop my communication skills through dealing with colleagues at work. My advice would be apply to study in WIT, because it is made up of amazing, gifted and outstanding lecturers, who work tirelessly to inspire the students".

Lucas Bwema Vandi

BACHELOR OF SCIENCE (HONS) IN

MOLECULAR BIOLOGY WITH BIOPHARMACEUTICAL SCIENCE

WD002 BIO

DEGREE OPTION
FROM WD002

wit.ie/wd002BIO

LEVEL
8

ENTRY ROUTE

WD002: Science (Common entry)

DURATION
4 years

COURSE LEADER
Dr Audrey Hearne
Email: ahearne@wit.ie

Course Aims

The BSc (Hons) in Molecular Biology with Biopharmaceutical Science is a four year honours degree course. There is a major emphasis in this course on modern areas of biology such as molecular biology and analytical methods used in pharmaceutical and food industries.

Career Opportunities

Graduates of this course have a wide variety of opportunities open to them, including further study. Career development to laboratory management is enhanced by studies in Information Technology and Quality Management. Some of the areas of employment are:

- Analytical, food and pharmaceutical industries
- Production, quality assurance or research and development.

Follow on Study

- Secondary teaching (taking the Professional Master of Education at another institution).
- Postgraduate studies leading to MSc and PhD.

Research at WIT

WIT lecturing staff teaching on this course are active in a range of successful and well-funded research projects in a variety of biological areas. Current research interests are in food microbiology, biochemistry, molecular biology, molecular ecology and biomedical science. There are active collaborations with national and international universities, research institutes and commercial organisations.

COURSE OUTLINE

YEAR ONE

SEMESTER ONE
- Introductory Biology
- Introductory Chemistry
- Introductory Physics
- Introductory Mathematics
- Good Laboratory Practice & Core Skills
- Introduction to ICT for Scientists

SEMESTER TWO
- Cell Biology and Biochemistry
- Mathematics for Scientists
- Physical and Organic Chemistry
- Physics for Scientists

CHOOSE 2
- Introduction to Biotechnology and Pharmaceutical Science
- Introduction to Food Science
- Introduction to Modern Physics
- Plant Biology
- Science & Society

YEAR TWO

SEMESTER THREE
- Microbiology 1
- Spectroscopic Techniques
- Organic Chemistry & Biomolecules
- Statistics for Scientists
- Laboratory Data Analysis & Presentation
- Scientific Enquiry in Biology

SEMESTER FOUR
- Microbial Biotechnology & Genetics
- Chromatographic and Electrophoretic Techniques
- Biochemistry
- Food Microbiology
- Applied Maths for Scientists
- Environmental Monitoring

YEAR THREE

SEMESTER FIVE
- Chromatographic Method Development & Validation
- Protein Chemistry and Enzymology
- Pharmaceutical Biotechnology
- Molecular Biology and Genetics
- Total Quality Management
- Manufacturing Production & Processing
- Microbiology 2
- Applied Immunology

SEMESTER SIX
- **Work Placement**

YEAR FOUR

SEMESTER SEVEN
- Applications of Microbiology
- Cell Factories and Mammalian
- DNA Technology and Bioinformatics
- Regulatory Affairs and Compliance
- Research Methodology and Literature Review

SEMESTER EIGHT
- Advanced Quality Methodologies
- Biopharmaceutical Technology
- Molecular Biology and Medicine
- Physiology and Pharmacology
- Research Project

Course outline is subject to change.

STUDENT VIEW

"My time studying Biology at Waterford Institute of Technology was an excellent experience. The course material is of extremely high standard and is delivered by lecturers who are committed to assisting students in achieving the best possible results. The balance of course material between theoretical and practical work complemented each other perfectly. The practical laboratory sessions aided my understanding of lecture material, the development of practical skills vital for industry, and the development of critical thinking, problem solving and communication skills. This degree programme has given me the skills necessary for a future in industry but has also provided me with the confidence to pursue further education at the post graduate level. I would strongly recommend this course to individuals who have a keen interest in biological sciences and who are committed to working hard for the achievement of their academic goals. I believe that WIT's department of science is committed to providing undergraduate courses that deliver content and training that is relevant to the methods and techniques currently being implemented in industry and scientific research today."

Thomas Byrne

BACHELOR OF SCIENCE (HONS) IN

FOOD SCIENCE & INNOVATION

WD002 FOO

DEGREE OPTION
FROM WD002

wit.ie/wd002FOO

LEVEL
8

ENTRY ROUTE

WD002: Science (Common entry)

DURATION
4 years

COURSE LEADER
Dr Elaine Duggan
Email: eduggan@wit.ie

Course Aims

The BSc (Hons) in Food Science and Innovation is a four year honours degree course. The aim of this course is to provide graduates with the skills to work in the various sectors of the food industry from product development and food processing to marketing and regulation. The degree will train you in food manufacture, analysis and safety in addition to business, marketing and innovation, giving you key skills for your future career. The programme includes real industrial type tasks such as market research, business plan development, product innovation and manufacture, and show casing of new products.

Unique Features

The modules in this course bring together science, business, enterprise and the culinary arts responding to the needs of the food industry. It also includes real industrial type tasks such as market research, business plan development, product innovation and manufacture, sensory analysis and show casing of new products.

Students will undertake a twelve week industrial placement in the food industry in the third year of the course. This is supported by our food industry partners and is seen as critical to the overall learning experience and development of the students.

Students will study a module delivered in Teagasc Food Research Centres in both Moorepark and Ashtown. This provides students with experience of the innovative food research and technologies currently being developed for use within the Irish food industry.

Career Opportunities

Graduates have a wide range of career opportunities, including:

- Product Innovation Scientist
- Production Manager
- Quality Assurance Manager
- Food business entrepreneur
- Sales and marketing representative

Follow on Study

Graduates from this course have the opportunity to progress to postgraduate study at both masters and PhD level.

The Food Industry in Ireland

WIT lecturing staff teaching on this course are active in a range of successful and well-funded research projects in a variety of food science areas. Current research interests are in food microbiology, food chemistry, functional and novel food development, sustainable food production and food security. There are active collaborations with national and international universities, research institutes and commercial organisations.

COURSE OUTLINE

YEAR ONE

SEMESTER ONE
- Introductory Biology
- Introductory Chemistry
- Introductory Physics
- Introductory Mathematics
- Introduction to ICT for Scientists
- Good Lab Practice & Core Skills

SEMESTER TWO
- Cell Biology and Biochemistry
- Mathematics for Scientists
- Physical and Organic Chemistry
- Physics for Scientists

CHOOSE 2
- Introduction to Biotechnology and Pharmaceutical Science
- Introduction to Food Science
- Introduction to Modern Physics
- Plant Biology
- Science & Society

YEAR TWO

SEMESTER THREE
- Food Analysis
- Microbiology 1
- Nutrition
- Laboratory Data Analysis & Presentation
- Accounting for Food Scientists
- Statistics for Scientists

SEMESTER FOUR
- Food Microbiology
- Food Process Technology
- Food Marketing & Regulation
- Environmental Monitoring
- Bioanalytical Methods for the Food Industry
- The Professional Individual

YEAR THREE

SEMESTER FIVE
- **Work Placement**

SEMESTER SIX
- Total Quality Management
- Food Safety Management Systems
- Food Formulation
- Food Business
- Food-borne Pathogens
- Introduction to Research Methods

YEAR FOUR

SEMESTER SEVEN
- Food Process Technology 2
- Food Traceability and Genomics
- Business Managements for Food Scientists
- Food Innovation and Entrepreneurship

SEMESTER EIGHT
- Food Shelf Life Control
- Advanced Quality Methodologies
- Environment Energy Development
- Food Product Development

Course outline is subject to change.

STUDENT VIEW

The Dawn Meats Innovation Awards 2016 saw Courtney O'Sullivan selected as the winner of the competition for her newly developed product 'Sinless Sully's'. "I developed a product, 'Sinless Sully`s' which is a gluten free, avocado based brownie mix ready to bake. I identified a rise in the gluten free chilled ambient sector, with no opposing competitors for the same shelf space and it seemed like a viable option for New Product Development," O'Sullivan said following her win.

Courtney O'Sullivan

BACHELOR OF SCIENCE (HONS) IN

PHYSICS FOR MODERN TECHNOLOGY

WD002 PHY

DEGREE OPTION
FROM WD002

wit.ie/wd002PHY

LEVEL
8

ENTRY ROUTE

WD002: Science (Common entry)

DURATION
4 years

COURSE LEADERS
Dr Claire Keary
Email: ckeary@wit.ie | Tel: 051 834087
Catherine Walsh
Email: cwalsh@wit.ie | Tel: 051 302639

Why are Physics and Technology important?

Physics is central to understanding our world and it is the driving force behind most modern technologies. Smartphones, iPads, fibre-optics, lasers, GPS satellites, solid state drives, radiotherapy beams, smart sensors, medical imaging systems, and a host of other devices and systems, are all applications of physics.

Course Aims

The BSc (Hons) in Physics for Modern Technology is a four-year honours degree course, which includes a six-month work placement in industry. This is inter-disciplinary and provides students with an understanding of the physics underlying modern technologies such as semiconductors, optics/photonics, alternative energy, and sensor systems. It provides students with complementary skills in the areas of physics, engineering, mathematics and programming. Graduates will develop a range of transferable skills that are valued and much sought after by industry.

Professional Links
This course is recognised by the Institute of Physics (IOP), the professional body for physicists. Graduates qualify for Associate Membership which provides a route to full Institute Membership following appropriate professional experience. Further details can be found at www.iop.org.

Work Placement or Study Abroad

Students undertake a six-month work placement, allowing them to develop valuable professional skills. Recent placement opportunities have included: Analog Devices, Bausch & Lomb, Teva, FeedHenry, TSSG, UPMC Whitfield Cancer Care, Genzyme, Fidelity Investments, ESA (European Space Agency, Holland) and NPrime (UK). Students also study abroad in one of WIT's partner institutions in Europe, Canada or the USA.

Career Opportunities

- Semiconductors
- Medical Physics
- Financial Services
- Automotive
- Meteorology
- Space Science & Technology
- Information & Communications Technology (ICT)
- Teaching (with a Professional Master of Education)
- Telecommunications/Photonics
- Biomedical Devices
- Astronomy & Astrophysics
- Alternative Energy
- Software Development

Follow on Study

Graduates may proceed onto a number of taught masters courses at WIT.

COURSE OUTLINE

YEAR ONE

SEMESTER ONE
- Introductory Biology
- Introductory Chemistry
- Introductory Physics
- Introductory Mathematics
- Introduction to ICT for Scientists
- Good Lab Practice & Core Skills

SEMESTER TWO
- Cell Biology and Biochemistry
- Mathematics for Scientists
- Physical and Organic Chemistry
- Physics for Scientists

CHOOSE 2
- Introduction to Biotechnology and Pharmaceutical Science
- Introduction to Food Science
- Introduction to Modern Physics
- Plant Biology
- Science & Society

YEAR TWO

SEMESTER THREE
- Mechanics & Waves
- Thermodynamics with Alternative Energy Applications
- Electronic Devices & Systems
- Ordinary Differential Equations
- Programming Fundamentals I
- Spectroscopic Techniques

SEMESTER FOUR
- Advanced Mechanics
- Electromagnetism
- DC/AC Fundamentals
- Advanced Calculus
- Programming Fundamentals II
- Science Universe & Society

Course outline is subject to change.

YEAR THREE

SEMESTER FIVE
- Atomic, Quantum & Solid State Device Physics
- Electromagnetism, Physical Optics & Photonics
- Measurement Systems
- Advanced Engineering Mathematics
- Computational Environments & Toolchains
- Semiconductor Fundamentals

SEMESTER SIX
- Work Placement

YEAR FOUR

SEMESTER SEVEN
- Advanced Optics
- Computational Physics
- Control Systems
- Semiconductor Device
- Nuclear & Particle Physics
- Research Methodology & Lit Review

SEMESTER EIGHT
- Semiconductor Device Technology & Spectroscopic Techniques
- Photonics Applications
- Research Project

CHOOSE 2
- Digital Control
- Smart Grid Technology / Renewable Energies
- Applied Fluid Dynamics
- Automated Cloud Services
- Automotive Diagnostic Protocols
- The Corrected Car

STUDENT VIEW

"The lecturers in WIT are receptive to students and review the curriculum to best prepare you for the demands of industries and the class sizes are small and this is a huge benefit. Year three of the degree includes a work-placement. I worked in two places: FeedHenry and the European Space Agency (ESTEC). Both placements were incredibly and equally valuable. I learned a lot of software development from FeedHenry - which helped in my final year and beyond."

Daniel Vagg

BACHELOR OF

SCIENCE (GENERAL)

APPLY CAO

WD177

wit.ie/wd177

LEVEL

7

ENTRY REQUIREMENTS
5 subjects: O6/H7
English or Irish: O6/H7
Mathematics: O6/H7

RECOMMENDATION
Applicants should note that a science subject (Biology, Chemistry, Physics, Physics with Chemistry or Agricultural Science) at Leaving Certificate is recommended for this programme.

DURATION
3 years

POINTS 2019
Min: 213
Range: 213 - 601

COURSE LEADER
Dr Evelyn Landers
Email: emlanders@wit.ie
Tel: 051 302713

Why Study Science?

Studying science creates a well-rounded individual who has the ability to analyse and question the things around them, and has the potential to improve the quality of life through the research that they do. Studying science will broaden a person's understanding of the world around them and give them the skills needed to approach matters in a reasoned and analytical manner.

Careers in Science

One of the best reasons for studying science is the wide variety of career opportunities that the graduate has access to. A science degree is a well established platform to a surprisingly wide range of careers outside science (e.g. management, sales) as well as within science (research, teaching).

Course Aims

The BSc in Science was designed as a common entry course for the student who has a keen interest in science, but is unsure of which area they would like to specialise in. This course gives the student a flavour of a variety of different scientific disciplines, allowing them to keep their options open when applying to study science at third level.

Course Modules

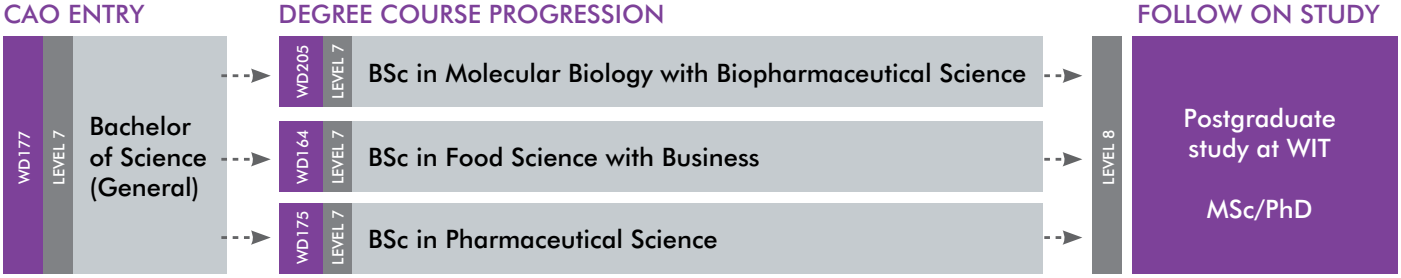
The modules of this course offer an introduction to biology, chemistry, physics, mathematics and computing. Modules are also offered in specialised areas such as Food Science, Pharmaceutical Science, Molecular Biology, Biopharmaceutical Science and Physics. The student can get a taste of what is involved in each of these areas, before making a more informed choice as to which area they would like to specialise in for their degree.

Progression Opportunities

Upon completion of Year 1 of the BSc in Science, students have the choice of progressing into the second year of any of the following degree courses:

- BSc in Molecular Biology with Biopharmaceutical Science (WD205)
- BSc in Food Science with Business (WD164)
- BSc in Pharmaceutical Science (WD175)

BACHELOR OF SCIENCE (GENERAL) PROGRESSION ROUTES



More information on each of the above progression routes/courses can be found on the subsequent pages of this handbook.

BACHELOR OF SCIENCE IN

MOLECULAR BIOLOGY WITH BIOPHARMACEUTICAL SCIENCE

APPLY CAO
WD205
wit.ie/wd205

LEVEL
7

ENTRY REQUIREMENTS
5 subjects: O6/H7
English or Irish: O6/H7
Mathematics: O6/H7

RECOMMENDATION
Applicants should note that a science subject (Biology, Chemistry, Physics, Physics with Chemistry or Agricultural Science) at Leaving Certificate is recommended for this programme.

DURATION
3 years

POINTS 2019
Min: 208
Range: 208 - 567

COURSE LEADER
Dr Audrey Hearne
Email: ahearne@wit.ie

Course Aims
The aim of the BSc in Molecular Biology with Biopharmaceutical Science programme is to provide graduates with current advanced scientific skills in areas such as DNA technology and bioinformatics, molecular biology and pharmaceutical biotechnology as well as cell culturing and pharmacology.

Career Opportunities
The programme will provide graduates with the relevant expertise in biological and analytical sciences in preparation for careers in biopharmaceutical, biomedical and/or food related industries.

Follow on Study
Graduates of this programme can progress to the level 8 BSc (Hons) in Molecular Biology with Biopharmaceutical Science (WD002 BIO) from which gradates can progress to further study such as postgraduate research and/or the Professional Master in Education (PME) for secondary teaching.

COURSE OUTLINE

YEAR ONE

SEMESTER ONE
- Introductory Biology
- Introductory Chemistry
- Introductory Physics
- Introductory Mathematics
- Good Laboratory Practice & Core Skills
- Introduction to ICT for Scientists

SEMESTER TWO
- Cell Biology and Biochemistry
- Introduction to Biotech and Pharmaceutical Science
- Mathematics for Scientists
- Physical and Organic Chemistry
- Physics for Scientists
- CHOOSE 1: Forensic Science / Plant Biology

YEAR TWO

SEMESTER THREE
- Microbiology 1
- Spectroscopic Techniques
- Organic Chemistry & Biomolecules
- Statistics for Scientists
- Laboratory Data Analysis & Presentation
- Scientific Enquiry in Biology

SEMESTER FOUR
- Microbial Biotechnology & Molecular Genetics
- Chromatographic and Electrophoretic Techniques
- Biochemistry
- Food Microbiology
- Applied Maths for Scientists
- Environmental Monitoring

YEAR THREE

SEMESTER FIVE
- Chromatographic Method Development & Validation
- Introduction to Research Methods
- Pharmaceutical Biotechnology
- Molecular Biology and Genetics
- Total Quality Management
- Applied Immunology

SEMESTER SIX
- Protein Chemistry & Enzymology
- Laboratory Data Modelling
- Microbial Ecology & Bioremediation
- Industrial Processing and Operations
- Microbiology 2
- Research Project

STUDENT VIEW

"I really enjoyed my time at WIT. The BSc in Molecular Biology with Biopharmaceutical Science offers the perfect mixture of theoretical and practical aspects. The small class sizes and extremely knowledgeable lecturers make this course excellent. Upon leaving WIT I felt confident in myself and my abilities and was well prepared for the working world. I really couldn't recommend this course enough for anyone looking to pursue a career in science."

Bryan Rellis

BACHELOR OF SCIENCE IN

FOOD SCIENCE WITH BUSINESS

APPLY CAO
WD164
wit.ie/wd164

LEVEL
7

ENTRY REQUIREMENTS
5 subjects: O6/H7
English or Irish: O6/H7
Mathematics: O6/H7

RECOMMENDATION
Applicants should note that a science subject (Biology, Chemistry, Physics, Physics with Chemistry or Agricultural Science) at Leaving Certificate is recommended for this programme.

DURATION
3 years

POINTS 2019
Min: 222
Range: 222 - 566

COURSE LEADER
Dr Elaine Duggan
Email: eduggan@wit.ie

Course Aims
The aim of this course is to provide graduates with the skills to work in the various sectors of the food industry from quality control and testing, to marketing, regulation, food processing and product development. The programme also incorporates a range of business skills to provide graduates with knowledge of the financial and management environment for the food industry. Personal and professional development is a key feature of the course.

Kildalton Agriculture College
The first year of the course involves a module delivered in Kildalton Agricultural College. Students are exposed to primary food production methods and a good understanding of quality food production on the farm.

Industrial Placement
Students will undertake a twelve week industrial placement in the food industry in the third year of the course. This is supported by our food industry partners and is seen as critical to the overall learning experience and development of the students.

Career Opportunities
Graduates have a wide range of career opportunities, including:
- Quality Control supervisor
- Production manager
- Food product development scientist
- Sales and marketing representative

Follow on Study
Graduates of the programme can progress into BSc (Hons) in Food Science and Innovation (WD002 FOO) – Year 4.

Subsequent transfer to postgraduate courses at Masters and PhD level.

COURSE OUTLINE

YEAR ONE

SEMESTER ONE
- Introductory Biology
- Introductory Chemistry
- Introductory Physics
- Introductory Mathematics
- Introduction to ICT for Scientists
- Good Lab Practice & Core Skills

SEMESTER TWO
- Cell Biology and Biochemistry
- Physical and Organic Chemistry
- Physics for Scientists
- Mathematics for Scientists
- Primary Food Production
- Introduction to Food Science

YEAR TWO

SEMESTER THREE
- Food Analysis
- Microbiology 1
- Nutrition
- Laboratory Data Analysis & Presentation
- Accounting for Food Scientists
- Statistics for Scientists

SEMESTER FOUR
- Food Microbiology
- Food Process Technology
- Food Marketing and Regulation
- Environmental Monitoring
- Bioanalytical Methods for the Food Industry
- The Professional Individual

YEAR THREE

SEMESTER FIVE
- Placement

SEMESTER SIX
- Total Quality Management
- Food Safety Management Systems
- Food Formulation
- Food Business
- Food-borne Pathogens
- Introduction to Research Methods

STUDENT VIEW

"Food Science with Business provided the perfect stepping stone to the level 8 programme, Food Science & Innovation. Lecturers provided invaluable help on a one to one basis which gives the student a more in-depth understanding of the course material. Each module was tied together perfectly with knowledge from one module being applicable in another module. The skills I developed gave me the confidence to apply for an internship as assistant winemaker in the US."

David O'Keeffe

BACHELOR OF SCIENCE IN

PHARMACEUTICAL SCIENCE

APPLY CAO
WD175
wit.ie/wd175

LEVEL
7

ENTRY REQUIREMENTS
5 subjects: O6/H7
English or Irish: O6/H7
Mathematics: O6/H7

RECOMMENDATION
Applicants should note that a science subject (Biology, Chemistry, Physics, Physics with Chemistry or Agricultural Science) at Leaving Certificate is recommended for this programme.

DURATION
3 years

POINTS 2019
Min: 207
Range: 207 - 589

COURSE LEADER
Dr Kathleen Grennan
Email: kgrennan@wit.ie

What is Pharmaceutical Science?

Pharmaceutical science combines a broad range of scientific subjects that are important for the discovery, development and manufacture of drugs and therapies.

Course Overview

- This is a three year degree.
- Students will cover areas of chemical, biological and analytical sciences of particular relevance to the pharmaceutical industry.
- Quality management is also covered which is very important for this area.
- A project will be completed in year 3 where the student works independently in a particular research area.
- The course allows you to obtain a worthwhile qualification after three years of study.
- It allows a more flexible progression to further qualifications such as transfer to the fourth year of a related honours degree at WIT or elsewhere.

Pharmaceutical Science at WIT

Students are exposed to a wide range of state-of-the-art instrumentation and equipment at WIT and learn from researchers actively involved in cutting edge areas such as separation science, pharmaceutical drug delivery, biotechnology and environmental science.

Career Opportunities

The main career opportunities are in the pharmaceutical and related industries such as

- Laboratory analysis
- Quality assurance
- Research and development of pharmaceutical products
- Environmental analysis

Graduates have found widespread employment in the large number of pharmaceutical industries in the southeast and beyond.

Follow on Study

BSc (Hons) in Pharmaceutical Science - WD147
(Year 4) - subject to application and/or interview.
Subsequent transfer to postgraduate courses at masters and PhD level.

COURSE OUTLINE

YEAR ONE

SEMESTER ONE
- Introductory Biology
- Introductory Chemistry
- Introductory Physics
- Introductory Mathematics
- Introduction to ICT for Scientists
- Good Laboratory Practice & Core Skills

SEMESTER TWO
- Cell Biology & Biochemistry
- Physical & Organic Chemistry
- Physics for Scientists
- Mathematics for Scientists
- Introduction to Biotechnology and Pharmaceutical Science
- CHOOSE 1: Science and Society / Forensic Science

YEAR TWO

SEMESTER THREE
- Organic Chemistry and Biomolecules
- Spectroscopic Techniques
- Physical Chemistry
- Statistics for Scientists
- Pharmaceutical Science
- Laboratory Data Analysis & Presentation

SEMESTER FOUR
- Pharmaceutical Organic Chemistry
- Chromatographic and Electrophoretic Techniques
- Inorganic Chemistry
- Environmental Monitoring
- Biopharmaceutical Science
- Applied Mathematics for Scientists

YEAR THREE

SEMESTER FIVE
- Total Quality Management
- Chromatographic Method Development and Validation
- Pharmaceutical Biotechnology
- Pharmaceutical and Natural Products
- Industrial Processing & Operations
- Introduction to Research Methods

SEMESTER SIX
- Physical Chemistry of Materials
- Sensors and Electroanalysis
- Laboratory Data Modelling
- Inorganic and Structural Chemistry
- Advanced Spectoscopic Analysis
- Research Project

STUDENT VIEW

"I really enjoyed the course overall, the large element of practical lab work helped to make the lecture material easy to understand and was excellent preparation for working in the pharmaceutical industry. The quality of the lecturing staff was second to none and they were always on hand to give that extra bit of help when needed. After completing my honours degree, I continued my studies to PhD level."

Mike Kinsella

BACHELOR OF SCIENCE (HONS) IN

PHARMACEUTICAL SCIENCE

APPLY CAO **WD147**

wit.ie/wd147

LEVEL **8**

ENTRY REQUIREMENTS
2 subjects: H5
4 subjects: O6/H7
English or Irish: O6/H7
Mathematics: O6/H7

RECOMMENDATION
Applicants should note that a science subject (Biology, Chemistry, Physics with Chemistry or Agricultural Science) at Leaving Certificate is recommended for this programme.

DURATION
4 years

POINTS 2019
Min: 298
Range: 298 - 543

COURSE LEADER
Dr Claire Lennon
Email: clennon@wit.ie

What is Pharmaceutical Science?

The Pharmaceutical Industry makes a vital contribution to society through the development and production of drugs such as antibiotics for infectious diseases, cancer treatments and antiviral drugs. The pharmaceutical sector plays a very important role in Ireland's economy. The Industry is highly regulated to make sure that medicine and treatments produced are safe and effective. Employees in the Pharmaceutical Industry must be highly skilled and there is a very strong demand for graduates qualified in pharmaceutical science.

Course Aims

This is a four year full-time honours degree aimed at preparing graduates for the pharmaceutical industry. Students will be exposed to a broad range of subjects and laboratory instrumentation relevant to the pharmaceutical industry. A research project is also carried out in year 4. The course also provides graduates with a range of transferable skills so that graduates are qualified for a wide range of science-based industries.

Work Placement

A six-month work placement is included in the third year of the course.

Follow on Study

MSc and PhD by research.

Career Opportunities

A degree in pharmaceutical science will provide graduates with skills that are much sought after in a range of sectors including:

- Senior Quality Control laboratory technician
- Instrumentation specialist
- Quality Assurance specialist
- Research technician
- Postgraduate researcher

Research at WIT

WIT lecturing staff teaching on this course are actively involved in a range of highly successful and well-funded research work related to pharmaceutical science. Collaborators include national and international universities and research institutes, and industrial partners from the pharmaceutical sector both in Ireland and abroad. Current research areas include: development of novel polymers for therapeutic drug delivery, biomedical research in eye treatment, novel analytical methods for pharmaceutical products, sensing devices for environmental analysis, biotechnology for drug synthesis and bioremediation.

COURSE OUTLINE

YEAR ONE

SEMESTER ONE
- Introductory Biology
- Introductory Chemistry
- Introductory Physics
- Introductory Mathematics
- Introduction to ICT for Scientists
- Good Laboratory Practice & Core Skills

SEMESTER TWO
- Cell Biology & Biochemistry
- Physical & Organic Chemistry
- Physics for Scientists
- Mathematics for Scientists
- Introduction to Biotechnology and Pharmaceutical Science

CHOOSE 1
- Forensic Science
- Science and Society
- Environmental Monitoring

YEAR TWO

SEMESTER THREE
- Organic Chemistry and Biomolecules
- Spectroscopic Techniques
- Physical Chemistry
- Statistics for Scientists
- Pharmaceutical Science
- Laboratory Data Analysis and Presentation

SEMESTER FOUR
- Pharmaceutical Organic Chemistry
- Chromatographic and Electrophoretic Techniques
- Inorganic Chemistry
- Pharmaceutical and Biopharmaceutical Processing
- Biopharmaceutical Science
- Applied Mathematics for Scientists

YEAR THREE

SEMESTER FIVE
- Total Quality Management
- Chromatographic Method Development and Validation
- Pharmaceutical Biotechnology
- Pharmaceutical and Natural Products
- Advanced Spectroscopic Analysis of Organic Compounds
- Inorganic & Physical Chemistry

SEMESTER SIX
- Work Placement

YEAR FOUR

SEMESTER SEVEN
- Pharmaceutical Synthesis and Characterisation
- Advanced Techniques in Pharmaceutical Science
- Research Methodology & Literature Review
- Regulatory Affairs & Compliance
- Advanced Topics in Physical Chemistry

SEMESTER EIGHT
- Advanced Quality Methodologies
- Pharmaceutical Formulation & Drug Delivery
- Pharmacology, Drug Design & Synthesis
- Advanced Inorganic & Photochemistry
- Research Project

STUDENT VIEW

"This degree has equipped me with an understanding of science as well as opening up opportunities for me to continue my career in both academia and industry. The many hands-on laboratory sessions made the material much more relevant on a practical, career orientated level. A six month work placement in year three gave me a taste of working in the pharmaceutical industry and prepared me in terms of experience and contacts for working life. Overall, I enjoyed this course and would recommend it to anyone considering a career in science."

Annabel Higgins-Hoare (Current PhD in Chemistry student at WIT)

BACHELOR OF SCIENCE (HONS) IN

AGRICULTURAL SCIENCE

APPLY CAO
WD191
wit.ie/wd191

LEVEL
8

ENTRY REQUIREMENTS
2 subjects: H5
4 subjects: O6/H7
English or Irish: O6/H7
Mathematics: O6/H7

DURATION
4 years

POINTS 2019
Min: 378
Range: 378 - 567

COURSE LEADER
Dr Michael Breen
Email: mbreen@wit.ie
Tel: 051 302644

Course Aims

Agricultural Science is the application of science and other disciplines (e.g. business) to the production of quality food. It encompasses a range of services provided to farmers and food producers to ensure quality standards and profitable production systems.

The course prepares students for a career in agricultural science and agri-business. Graduates will have a strong background in the areas of science, food, agriculture, the environment, business and quality assurance. Self-management, team working, business awareness, problem solving, land management and communication are all areas which will be strongly incorporated into the main core of this level 8 programme.

Stamp duty exemption
This course fulfils the requirements for stamp duty exemption for land transfer for young farmers (Green Cert.)

Placement

In semester 6, students can choose between a farm placement or an industrial placement.

The **Farm placement**, organised by Teagasc, gives students experience of practical farming on a high quality farm and allows learners to gain a broad experience of farming and to apply and develop their knowledge and skills. The student will be monitored by the host farmer and by Teagasc staff and the student will keep a reflective work log. Students are also encouraged to seek placements overseas e.g. New Zealand and the UK.

The **Industrial Placement** allows learners to apply and develop their skills in the agri-food industry. The placement is designed to meet the needs of industry whilst providing the student with a broader skills-base. The practical element of employment will complement the course content and help develop skills that are essential in today's work environment. Students will be placed for work experience for a minimum of 15 weeks during semester 6. The industrial placement will be organised by WIT and monitored by the employer, WIT staff with the student keeping a reflective work log.

Career Opportunities

- Senior technical positions in Quality Control in Agri-food industries
- Sales and marketing in agri-businesses
- Technical personnel in organisations offering environmental and other services to farmers
- Start-up agriculture-based businesses
- With further qualifications, graduates are qualified to teach Agricultural Science, work in farm advisory services and follow postgraduate studies.

Kildalton College

Students on this course take nine modules at Kildalton College of Agriculture. Transport is provided.

COURSE OUTLINE

YEAR ONE

SEMESTER ONE
- Introductory Biology
- Introductory Chemistry
- Introductory Physics
- Good Lab. Practice and Core Skills
- Introductory Mathematics
- Introduction to ICT for Scientists

SEMESTER TWO
- Physical and Organic Chemistry
- Cell Biology and Biochemistry
- Physics for Scientists
- Mathematics for Scientists
- Animal Biology
- Plant Biology

YEAR TWO

SEMESTER THREE
- Microbiology 1
- Mechanisation and Safety (K)
- Statistics for Scientists
- Agricultural Soils Management (K)
- Environmental Science
- Food Analysis

SEMESTER FOUR
- Animal Nutrition
- Mathematics for Agricultural Science
- Food Process Technology
- Grassland and Dairy Production (K)
- Tillage Crop Production (K)
- Beef and Sheep Production (K)

YEAR THREE

SEMESTER FIVE
- Food Management Systems
- Agriculture and the Environment
- Food Formulation
- Farm Business
- Crop Technology (K)
- Animal Breeding & Genetics (K)

SEMESTER SIX
- **Agricultural Science Farm Placement**
- **or**
- **Agricultural Science Industrial Placement**

YEAR FOUR

SEMESTER SEVEN
- Agricultural ICT
- Sustainable Crop Management Systems (K)
- Applied Farm Management
- Land Science Research Methods
- Animal Health, Welfare & Behaviour
- CHOOSE 1: Marketing Strategy Small Business / MIS & e-Business

SEMESTER EIGHT
- Land Science Research Project
- Soils Nutrient Management
- Food Traceability & Bio-analysis
- Rural Entrepreneurship
- CHOOSE 1: Integrated Pest Management / Sustainable Water Management Systems

(K) denotes module is taken in Kildalton College of Agriculture

STUDENT VIEW

"I won the Dairymaster Student Award and got the opportunity to spend the six month work placement in New Zealand on a dairy farm which was one of the highlights of my studies at WIT. I would recommend any student with a keen interest in agriculture and in particular the science aspect to consider this course."

Robert Tobin

BACHELOR OF SCIENCE IN

AGRICULTURE

APPLY CAO **WD126**

wit.ie/wd126

LEVEL **7**

ENTRY REQUIREMENTS
5 subjects: O6/H7
English or Irish: O6/H7
Mathematics: O6/H7

ADVANCED ENTRY
Students who have successfully completed a Level 6 QQI-FET (FETAC) approved course at Kildalton College or equivalent can apply to transfer into Year 2 of the BSc in Agriculture.

DURATION
3 years

POINTS 2019
Min: 356
Range: 356 - 554

COURSE LEADER
Dr Tony Woodcock
Email: twoodcock@wit.ie

Course Aims

Agriculture is of major importance to the Irish economy and most farms are family-operated with the farmer being the owner and manager and operator.

The first two years of the course concentrates on equipping the student with the knowledge and skills needed to manage a modern commercial farm. The third year aims to expand the student's business, managerial, scientific and IT skills.

Stamp Duty Exemption
This course fulfils the requirements for stamp duty exemption for land transfer for farmers (Green Cert.)

Kildalton College

Students take agriculture-based modules at Kildalton Agricultural College and scientific related modules are taken at WIT. A free bus service operates between WIT and Kildalton.

Farm Placement

In the second year of the course students spend 12 weeks on farms specially chosen by Teagasc in order to get practical experience on high quality commercial farms. A number of students choose to travel overseas for farm experience e.g. New Zealand.

Career Opportunities

- Managers of modern farm enterprises
- Managers in Agri-Food cooperatives
- Managers in Meat processing plants
- Sales positions in Agribusiness

Follow on study

BSc (Hons) in Land Management in Agriculture - WD156

COURSE OUTLINE

YEAR ONE

SEMESTER ONE
- Introduction to Farm Accounts
- Plant Biology
- Communication Skills for Agriculturists
- Computer Applications
- Mechanisation & Safety
- Introduction to Animal Breeding & Welfare

SEMESTER TWO
- Chemistry for Land Sciences
- Agriculture in the Economy
- Animal Biology
- Animal Production
- Agricultural Mechanisation
- Tillage Crop Production

YEAR TWO

SEMESTER THREE
- Environmental Science
- Crop Technology
- Dairy Production
- Cattle Production
- Agricultural Soils Management
- CHOOSE 1: Sheep Production / Mechanisation

SEMESTER FOUR
- Placement

YEAR THREE

SEMESTER FIVE
- Agriculture and The Environment
- Food Analysis & Animal Feed Biotechnology
- ICT & Business Writing
- Marketing for Small Business
- Business Management
- CHOOSE 1: Farm Buildings / Fabrication

SEMESTER SIX
- Quality Food Production
- Food Safety Management Systems
- Agricultural Entrepreneurship
- Financial Management Systems
- Agriculture Project
- Farm Business

STUDENT VIEW

"How close-knit WIT is and the smaller class sizes means that everybody gets to know each other so well. The practical work was very hands on and we did things such as grass walks, machinery identification, feed and grass knowledge, animal assessments and tractor driving. Going to college in Waterford was a great experience and I would highly recommend it!"

John Waters

BACHELOR OF SCIENCE IN

FORESTRY

APPLY CAO **WD076**

wit.ie/wd076

LEVEL **7**

ENTRY REQUIREMENTS
5 subjects: O6/H7
English or Irish: O6/H7
Mathematics: O6/H7

ADVANCED ENTRY
Graduates of the Teagasc QQI-FET (FETAC) Level 5 Certificate in Forestry or QQI-FET (FETAC) Level 6 Advanced Certificate in Forestry may apply directly for entry onto the BSc in Forestry (WD076).

DURATION
3 years

POINTS 2019
Min: 181
Range: 181 - 601

COURSE LEADER
Tom Kent
BAgrSc (Forestry), MSIF
Email: tkent@wit.ie
Tel: 051 302646

What is Forestry?

Forestry is the study of the sustainable management of forests as a natural resource. Forest management is increasingly important as more evidence emerges on how trees and forests improve our lives, make the air we breathe, clean the water we drink, absorb carbon dioxide that limits global warming and provide wildlife habitat and public amenities, hosting a wide range of recreation. A forester's role is to ensure that our forests continue to supply these environmental and social benefits, while also producing wood, a sustainable and renewable material used in construction, furniture, joinery, paper, energy and bio-refining of chemicals.

Course Aims

The course aims to provide graduates with the knowledge and competence to start a professional career in forest management and the forestry sector. The course is professionally accredited by the Society of Irish Foresters. Graduates may apply to be placed on the Forest Service register of Approved Foresters.

Career Opportunities

BSc in Forestry graduates are widely employed in the Irish forest sector:

- State Bodies: Coillte, Teagasc, Forest Service, Department of Agriculture, Food and the Marine
- Forest Management Companies: Forest Enterprises Ltd., Forestry Services, SWS Forestry, Western Forestry Co-operative Society, Green Belt, The Forestry Company, Irish Forest Unit Trust, Irish Wood Producers
- Sawmills: Laois Sawmills, Murrays Timber Group

Graduates have also found professional employment in the United Kingdom, France, Sweden, Australia, New Zealand and Canada.

Fieldwork & Placement

Fieldwork and field trips are an essential element of the course and 25% to 50% of each module consists of fieldwork elements. Fieldtrips are used to apply technical skills, demonstrate forest operations and processes, gather information for analysis and meet professionals in their working environment. Locations include Coillte and private forests, wood processing industries and JFK Arboretum. All students undertake a company placement in semester 4 and placements may be organised in other countries. All students will carry out a forest management plan of Lismore Estate in third year, involving extensive fieldwork in mapping, inventory, valuation and forest operation, protection and management planning.

Follow on Study

BSc (Hons) in Land Management in Forestry - WD157

WIT Forestry also has transfer links with DN271 - the Bachelor of Agricultural Science (Forestry) degree, UCD; and other forestry programmes in Europe.

COURSE OUTLINE

YEAR ONE

Semesters 1 & 2 provide each student with grounding in the sciences applying to forestry and the main forestry practices while developing communication and computer skills.

SEMESTER ONE
- Plant Biology
- Forest Establishment
- Mechanisation & Safety
- Dendrology
- Mathematics for Forestry
- Communication Skills & Computer Applications

SEMESTER TWO
- Forest Surveying & Mapping
- Fundamentals of Forestry
- Wood Science
- Earth Science
- ICT for Forestry
- Chemistry for Land Scientists

YEAR TWO

Semesters 3 & 4 focus on developing technical forestry skills and preparing students for the forestry work placement.

SEMESTER THREE
- Timber Technology
- Forest Mensuration
- Forest Protection
- Forest Soils
- Forestry & the Environment
- Applied Geographical Information Systems

SEMESTER FOUR
- Placement

YEAR THREE

Semesters 5 & 6 concentrate on professional aspects of forestry. Each student undertakes a Forest Management Plan that brings together experience developed through the entire course.

SEMESTER FIVE
- Forest Economics
- Sustainable Forest Management
- Principles of Silviculture
- Forest Inventory
- Forest Harvesting

SEMESTER SIX
- Plantation Silviculture
- Commercial Forestry Practices
- Forest Engineering
- Small Enterprise Management
- Forest Management Plan

STUDENT VIEW

"The course is both practical and scientific and the course subjects are very relevant to the industry. If this forestry course did not exist in the South East I would not have a job today. The course gave me a good general background to the Irish forest industry and through course work, projects, reports and especially deadlines I found that the course prepared me well for my working life. Without doubt my favourite element of the course was the regular forestry related field trips."

Kevin Power

BACHELOR OF SCIENCE IN

HORTICULTURE

Waterford - Kildalton (WD096)
Dublin - National Botanic Gardens (WD097)

APPLY CAO	APPLY CAO	LEVEL
WD096	WD097	7
wit.ie/wd096	wit.ie/wd097	

ENTRY REQUIREMENTS
5 subjects: O6/H7
English or Irish: O6/H7
Mathematics: O6/H7

DURATION
3 years

POINTS 2019 - WATERFORD (WD096)
Min: 260
Range: 260 - 530

POINTS 2019 - DUBLIN (WD097)
Min: 209
Range: 209 - 531

ADVANCED ENTRY
Students who have successfully completed a QQI-FET (FETAC) approved Level 6 award and who successfully complete bridging studies, can apply to transfer into Year 2 of the BSc in Horticulture. Older awards will be mapped to the level of new awards, along with experience, in order to assess entry onto the BSc in Horticulture.

COURSE LEADER
WATERFORD (WD096)
Dr Cara T. Daly
Email: cdaly@wit.ie

COURSE LEADER
DUBLIN (WD097)
Yvonne Grace
Email: ygrace@wit.ie

What is Horticulture?
Horticulture is a very diverse industry and career opportunities exist in a wide variety of areas, from producing plants for garden centres, working on golf courses, landscaping, through to fruit and vegetable production. Many horticulturists are managers or self-employed and need business as well as horticultural skills.

Course Aims
This is a three year full-time course designed to train professional horticulturists. The course is run in conjunction with Teagasc. Students can choose to study in Waterford at WIT and Teagasc, Kildalton College OR they can study in Dublin at the Teagasc College in the National Botanic Gardens. There are separate CAO codes for the Waterford and Dublin locations.

Careers Opportunities
- Employment as gardeners in public parks and grounds
- Landscape design
- Landscape construction
- Greenkeeping - maintenance of golfcourses and sports fields
- Nursery stock production
- Garden maintenance contractors

Kildalton - WD096
Students on this course study both at WIT and at Kildalton College, Piltown. The laboratory-based scientific and business modules are taken at WIT and the horticulture-based modules are taken at Kildalton. A free bus service operates between Kildalton and WIT.

National Botanic Gardens - WD097
Students on this course will be based in the Teagasc College at the National Botanic Gardens, Glasnevin, Dublin 9.

Placement
In year 2, one semester is spent on placement either in Ireland or abroad. This is an opportunity for you to see and implement the key horticultural skills you have learnt in college.

Follow on Study
BSc (Hons) in Land Management - WD158

COURSE OUTLINE

YEAR ONE

SEMESTER ONE
- Communication Skills and Computer Applications
- Horticulture Skills 1
- Plant Biology
- Plant Knowledge 1
- Plant Protection
- Soil and Growing Media

SEMESTER TWO
- Chemistry for Land Scientists
- Horticulture Building Construction
- Horticulture Mechanisation and Safety
- Horticulture Skills 2
- Plant Knowledge 2
- Plant Propagation

YEAR TWO

SEMESTER THREE
- Biodiversity and Horticulture
- Financial Analysis for your Business
- Garden Management and Plant Selection

CHOOSE 1
- Sustainable Food Production
- Landscape Design
- Nursery Stock Production
- Sportsurf Science
- Lab Skills for Plant Micro-Propagation (Waterford Only)

SEMESTER FOUR
- Placement

Note: Students who have already undertaken placement as part of their previously completed qualification, will be required to complete 6 other modules.

YEAR THREE

SEMESTER FIVE
- Horticulture Sales and Marketing
- Introduction to Scientific Writing and Data Analysis
- Managing your Business
- People Management

CHOOSE 1
- Landscape Design
- Nursery Stock Production
- Sportsturf Science
- Sustainable Food Production
- Lab Skills for Plant Micro-Propagation (Waterford Only)

SEMESTER SIX
- Arboriculture
- Horticulture Project and Seminar
- Law for Horticulturists
- Tax for Horticulture

CHOOSE 1
- Field Crop Production
- Garden Centre Operations
- Greenkeeping
- Landscape Design Advanced
- Plants and Society

CHOOSE 1
- Beekeeping and Pollination Studies
- Computer Aided Design
- Interior Landscaping and Floristry
- Protected Crop Production
- Social and Therapeutic Horticulture

STUDENT VIEW

"I have a good grounding from studying in WIT and left capable of being placed in a huge diversity of jobs. We spent about half of our time in Kildalton College and were able to put the theory to the test, which is extremely important when you leave the safety of college and start in the real world. Try everything offered to you and relish any experience you can get, and remember Horticulture is too broad a topic for anyone to ever be a complete expert in, but find your niche in the industry, then get the experience."

Paul Smyth

BACHELOR OF SCIENCE (HONS) IN

LAND MANAGEMENT

IN AGRICULTURE/FORESTRY/HORTICULTURE

ADD-ON COURSE

WD156 **WD157** **WD158**

wit.ie/wd156 wit.ie/wd157 wit.ie/wd158

LEVEL **8**

ADD-ON COURSE

You are eligible to apply for this course if you have completed or are completing a BSc (Level 7) degree in either Agriculture, Forestry or Horticulture at WIT, or other relevant ordinary degree (Level 7) from another college.

DURATION
1 year

COURSE LEADER
Dr Nick McCarthy
BAgrSc (Forestry), PhD
Email: nmccarthy@wit.ie

What is the BSc (Hons) in Land Management?

This one year add-on course aims to give students with BSc (Level 7) degrees, Agriculture, Horticulture and Forestry the opportunity to obtain an Honours (level 8) degree in their respective disciplines. Using the invaluable expertise of both the School of Science and School of Business together with input from Teagasc, the course aims to increase the students knowledge of their respective disciplines while also improving the students business acumen.

Course Aims

The BSc (Hons) in Land Management is a one year add-on course that prepares students for a professional career or postgraduate education in either Agriculture, Forestry or Horticulture. The year consists of two semesters each comprising 6 modules.

Some of the modules will be common to all students while other modules will be specific to their stream or discipline.

Research Project

A research project will be carried out by each student throughout the two semesters of the add-on year. This will enable students to learn the rudiments of carrying out research and how to write up a scientific report. It may also help them to determine whether they would like to obtain a postgraduate qualification (Masters or PhD) after they graduate.

Career Opportunities

The Bsc (Hons) in Land Management prepares graduates for careers in the Agricultural, Forestry or Horticulture sectors. The course is designed to give students of these disciplines additional business acumen and to increase their wide ranging practical, technical and professional skills obtained in their previous courses.

Graduates may follow careers in:

- Forest management
- Managers of progressive farm enterprises
- Managers of agri-food
- Cooperatives
- Nursery stock production
- Wood processing industry
- Garden centres
- State and Development agencies
- Landscape contracting

COURSE OUTLINE

AGRICULTURE

SEMESTER ONE

- Land Science Research Methods
- Statistics for Land Management
- Sustainable Crop Rotation
- Livestock Management
- MIS & e-Business
- CHOOSE 1: Project Management for Land Sciences / Professional Development

SEMESTER TWO

- Land Science Research Project
- Biodiversity Management
- Soil Nutrient Management
- CHOOSE 2: Agricultural Policy & Economics / Integrated Pest Management / Managing People / Sustainable Water Management Systems / Sustainable & Renewable Energy

FORESTRY

SEMESTER ONE

- Land Science Research Methods
- Statistics for Land Management
- Professional Development
- Project Management for Land Sciences
- Advanced Silviculture
- Marketing Strategy for Small Business

SEMESTER TWO

- Land Science Research Project
- Geographic Information Systems
- Managing People
- CHOOSE 2: Biodiversity Management / Integrated Pest Management / Rural Entrepreneurship / Sustainable Water Management Systems / Sustainable & Renewable Energy

HORTICULTURE

SEMESTER ONE

- Land Science Research Methods
- Statistics for Land Management
- Project Management for Land Sciences
- Horticultural Site Management
- Public Relations Management
- CHOOSE 1: Professional Development / MIS & e-Business

SEMESTER TWO

- Land Science Research Project
- Environmental Education
- Organisation Behaviour Management
- CHOOSE 2: Biodiversity Management / Integrated Pest Management / Rural Entrepreneurship / Sustainable Water Management Systems / Sustainable & Renewable Energy

STUDENT VIEW

"...I found the year challenging but extremely interesting. Setting up and running the final year project was the highlight for me...it has encouraged me to progress further into research."

William Burchill

APPLIED COMPUTING
(Common entry)

APPLY CAO **WD001**

wit.ie/wd001

LEVEL **8**

ENTRY REQUIREMENTS
2 subjects: H5
4 subjects: O6/H7
English or Irish: O6/H7
Mathematics: O3/H7

DURATION
4 years

POINTS 2019
Min: 279
Range: 279 - 511

COURSE LEADER
Mairéad Meagher
BSc, MPhil
Email: mmeagher@wit.ie

Course Aims
This is a four-year full-time programme, and will prepare you for an exciting career in software development with specialisms in one of Automotive and Automation Systems, Cloud and Network Computing, Computer Forensics and Security, Game Development, Media Development or the Internet of Things. This is the longest running degree programme in WIT and our graduates are amongst the most sought-after computing graduates nationally.

Why is Applied Computing important?
If you are interested in software development, but are unsure as to where you would like to specialise, then Applied Computing is for you. You will learn about the basics of computing/software development, and then decide which of the specialisms you think best suits your personal interests, strengths and plans. Through the use of specialist streams, we can quickly react to industry trends, while always ensuring that you will become a strong programmer/software developer.

Subject Areas
In year 1 there is a strong focus on programming fundamentals (including web development) to provide you with a solid background for later years. You will study mathematics and physics so as to understand the fundamentals of computer science. You will be also introduced to fundamental computing concepts. In years 2, 3, and 4 you will take a specialism or `stream'. The final year project will give you the opportunity to apply your skills to a real world application. To learn more about Applied Computing (Common Entry) please visit www.wit.ie/wd001.

Career Opportunities
- Software Developer
- Applications Programmer
- Game Developer
- Embedded Software Engineer
- Cyber Security and Forensics Engineer
- Automotive Systems Software Engineer
- Software Engineer
- Big Data Developer
- Media Developer

Unique Features
If you know that you are interested in computing and in programming/software development but are not fully sure as to your strengths and/or interests, then this is the programme for you.
- Choice of specialism after first year when you will know more about those strengths/interests;
- Have unrivaled employment prospects; most students have job offers before they sit their final year examinations.

In particular, as a graduate of this programme, you will:
- Have excellent programming skills;
- Be an excellent problem solver

Follow on Study
Postgraduate programmes in WIT, such as the MSc in Computing (Enterprise Software Systems), or elsewhere. Many Applied Computing graduates go on to complete research masters and PhDs at our European Centre of Research Excellence, TSSG (below), and elsewhere.

NetLabs Integrated Research Building, West Campus

APPLIED COMPUTING (Common Entry) DEGREE OPTIONS

APPLIED COMPUTING
(Common entry)

APPLY CAO **WD001**

wit.ie/wd001

LEVEL **8**

COURSE & DEGREE OPTION OUTLINES

		YEAR ONE		YEAR TWO	
	CORE SUBJECT AREAS	SEMESTER ONE	SEMESTER TWO	SEMESTER THREE	SEMESTER FOUR
MANDATORY	SOFTWARE, MOBILE & WEB DEVELOPMENT	Programming Fundamentals 1 Website Development 1	Programming Fundamentals 2 Web App Development 1	Data Structure & Algorithms 1	Data Structure & Algorithms 2 Software Engineering Practice
MANDATORY	DATABASE & ANALYTICS			Relational Databases	
MANDATORY	COMPUTER SYSTEMS	Computer Systems 1	Computer Systems 2	Computer Networks	Applied Cryptology
MANDATORY	PROFESSIONAL SKILLS	The Computer Industry			
MANDATORY	MATHEMATICS & PHYSICS	Discrete Mathematics Physics 1	Applied Calculus Physics 2	Mathematical Methods	Statistics & Probability
	DEGREE OPTION	SEMESTER ONE ELECTIVES	SEMESTER TWO ELECTIVES	SEMESTER THREE ELECTIVES	SEMESTER FOUR ELECTIVES
AAS	AUTOMOTIVE & AUTOMATION SYSTEMS		Automotive Software Concepts	Professional Communications Embedded Systems	DC/AC Fundamentals Industrial Automation Systems
CLN	CLOUD & NETWORKS		Introduction to Cloud Computing	Professional Communications Operating Systems	Networks Infrastructure Network Theory
CFS	COMPUTER FORENSICS & SECURITY		Introduction to Security & Forensics	Professional Communications File Systems Forensics	Secure Programming and Scripting Forensic Accounting & Fraud Auditing
IOT	INTERNET OF THINGS		Project Semester 2	Professional Communications Analogue Electronic Devices	Analogue Electronic Circuits 1 Embedded Applications Development
GAD	GAME DEVELOPMENT		2D Game Development	Professional Communications Introduction to Game Design	Introduction to Game Development 3D Game Assets
MED	MEDIA DEVELOPMENT		Intro. to Media Development	Narrative Construction Audio Visual 1	User Experience Design Audio Visual 2

		YEAR THREE		YEAR FOUR	
	CORE SUBJECT AREAS	SEMESTER FIVE	SEMESTER SIX	SEMESTER SEVEN	SEMESTER EIGHT
MANDATORY	SOFTWARE, MOBILE & WEB DEVELOPMENT	Web App Development 2	Industrial Placement OR Study Abroad OR Professional Certification OR Voluntary Organisation Project	Mobile App Development 2 Distributed Systems	Functional Programming
MANDATORY	DATABASE & ANALYTICS	NoSQL Databases		Data Mining 1	Data Mining 2
MANDATORY	COMPUTER SYSTEMS	Developer Operations			Project 2
MANDATORY	PROFESSIONAL SKILLS	Professional Practice		Project 1	
MANDATORY	MATHEMATICS & PHYSICS				
	DEGREE OPTION	SEMESTER FIVE ELECTIVES		SEMESTER SEVEN ELECTIVES	SEMESTER EIGHT ELECTIVES
AAS	AUTOMOTIVE & AUTOMATION SYSTEMS	Measurement Systems Model-Based Development		Automotive Software Development Advanced Driver Assistance Systems	The Connected Car Free Elective
CLN	CLOUD & NETWORKS	Wireless Communications Network Forensics		Cloud Computing 1 Network & Systems Security	Cloud Computing 2 Free Elective
CFS	COMPUTER FORENSICS & SECURITY	Network Forensics Legal Principles of Computer Forensics		Network & System Security Criminal Evidence	Device Forensics Free Elective
IOT	INTERNET OF THINGS	IoT Standards and Protocols Digital Electronics		Automotive Option Electronics Option	Automotive Option Electronics Option
GAD	GAME DEVELOPMENT	Introduction to C++ for Games Games Development Practicum		Game Development in C++ Mobile Game Development	Advanced 3D Game Development Free Elective
MED	MEDIA DEVELOPMENT	Digital Media Programming Content Production		Media Tools & Integration	Emerging Media Technologies Free Elective

Course outline is subject to change.

BACHELOR OF SCIENCE (HONS) IN

APPLIED COMPUTING (AUTOMOTIVE & AUTOMATION SYSTEMS)

WD001 AAS

DEGREE OPTION
FROM WD001

wit.ie/wd001AAS

LEVEL
8

ENTRY ROUTE

WD001: Applied Computing (Common entry)

DURATION
4 years

COURSE LEADER
Mairéad Meagher
BSc, MPhil
Email: mmeagher@wit.ie

What is Automotive & Automation Systems?

The rising popularity of autonomous vehicles, hybrid and electric power trains, vehicle-to-cloud connectivity and ride-sharing schemes are currently altering our concept of mobility and our relationship with the car. Automotive software engineers are leading the development of these exciting innovative technologies which will have a profound effect on society.

Similarly, high-tech industries are embracing new smart manufacturing technologies whereby industrial systems can communicate and cooperate to improve efficiency. Software control and configuration of manufacturing and robotic processes increases flexibility, reduces waste and energy use and improves product quality.

The Automotive & Automation Systems option gives you the specialist knowledge and practical skills required for a rewarding career in the automotive and automation sectors. Both Irish-based and international companies are urgently seeking skilled graduates who are able to create innovative software solutions for these industry sectors.

Course Aims

This course will equip you with the concepts and practical skills needed to specify, design, develop, integrate and test a wide range of networked embedded systems that monitor their environment using sensors and then process this sensor data to effect changes in the controlled system, which could be, for example, a car engine, an autonomous vehicle path, a climate control system, a robotic assembly line or a manufacturing operation.

Subject Areas

Computer interfacing, sensors, automotive software development, Advanced Driver Assistance Systems (ADAS), Vehicle networks, Programmable Logic Controllers, Industrial Automation.

Unique Features

Through ongoing collaboration with industrial partners, students gain access to state of the art tools, processes and technologies used in this sector, covering a range of topics such as embedded software development, driver assistance systems, industrial automation, and automotive software design. This knowledge and skillset are not only sought after in the automotive and automation industries, but also in aerospace, medical and other embedded software engineering environments.

Career Opportunities

Students of this course have worked in the following roles in Ireland, Germany, UK and China:

- Automotive software developer
- Automotive software integration specialist
- Automotive software team manager
- Vehicle networking specialist
- Formula 1 racing car control system engineer
- Hybrid vehicle motor control software developer
- Climate Control System software developer
- Fleet management software team leader

Opportunities for Further Study

There is a possibility of doing M.Sc. or Ph.D. research at the Automotive Control Group in WIT (www.wit.ie/automotive).

STUDENT VIEW

"The Automotive and Automation Systems stream provided me with the necessary skills and hands-on industry experience to enable me to get the job I wanted. If you have an interest in low level programming, hardware and automotive technology then this is the stream for you."

Kieran Sinnott – Automotive Software Engineer with Schrader Electronics Ltd., Co. Antrim

BACHELOR OF SCIENCE (HONS) IN

APPLIED COMPUTING (CLOUD & NETWORKS)

WD001 CLN

DEGREE OPTION
FROM WD001

wit.ie/wd001CLN

LEVEL
8

ENTRY ROUTE

WD001: Applied Computing (Common entry)

DURATION
4 years

COURSE LEADER
Mairéad Meagher
BSc, MPhil
Email: mmeagher@wit.ie

Why is Cloud and Network computing important?

We live in an increasingly connected society whether it is through social media, content streaming, online purchases or businesses managing their supply chain. Such connectivity needs to be managed and optimized, and is increasingly done using cloud computing architecture. YouTube and Netflix for example, rely on people with skills in this area.

Course Aims

The Cloud & Networks option will develop a strong underlying knowledge of how network communications and Cloud infrastructure is designed, implemented and managed. Students will work with the latest technologies from leading companies such as Amazon, Cisco, Red Hat and IBM. Graduates who are able to configure, manage and troubleshoot applications and services in Cloud based systems are in high demand across many domains.

Students will learn how to configure reliable, fault-tolerant, secure Cloud infrastructure systems using popular environments such as Amazon Web Services and Google Cloud Platform. Students will take some modules from the Security stream to develop the essential skills required in modern Cloud environments.

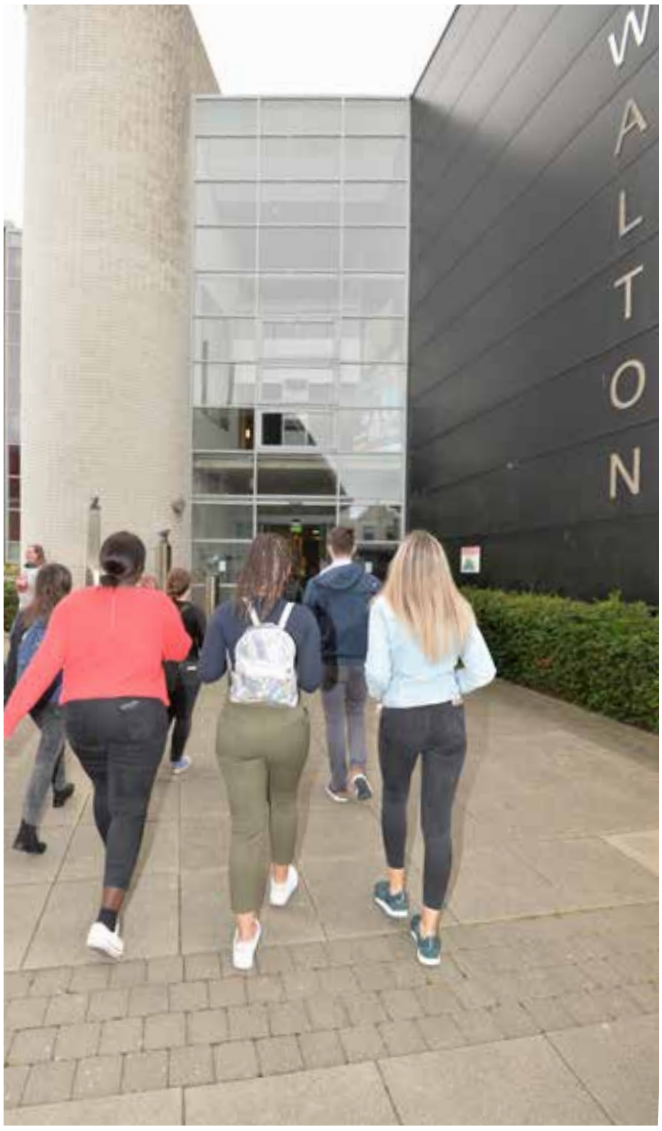
Career Opportunities

Graduates who are able to configure, manage and troubleshoot applications and services in Cloud based systems are in high demand across many domains. Recent graduates are eagerly sought after by many local companies such as Red Hat, Errigal, Done Deal, Routematch, Sun Life Financial Services to name but a few.

Follow on study

Many graduates of this stream subsequently undertake the taught MSc in Computing (Enterprise Software Systems), however as graduates will have developed a highly sought after Cloud technologies skillset, many choose to undertake this programme in part-time mode. This programme has been developed in a modular design and the flexibility facilites part-time students taking modules over a number of years.

Other graduates have opted to undertake research Masters and Phd career paths both locally, within WIT's TSSG research center, and beyond.



Walton Building, Cork Road Campus

STUDENT VIEW

Stephen believes that the programme's biggest strength is the final year project. He comments that the course is so well-designed that by fourth year, each student is in a position to create something of genuine value - and not just in an educational setting." In fact, Stephen's project was sponsored and mentored by RedHat (www.redhat.com). This gave him access to professional software developers for advice on the project. Since finishing his degree, Stephen is working with RedHat Waterford as an Associate Software Engineer.

Stephen Coady

BACHELOR OF SCIENCE (HONS) IN

APPLIED COMPUTING (COMPUTER FORENSICS & SECURITY)

WD001 CFS

DEGREE OPTION
FROM WD001

wit.ie/wd001CFS

LEVEL
8

ENTRY ROUTE

WD001: Applied Computing (Common entry)

DURATION
4 years

COURSE LEADER
John Sheppard
Email: jsheppard@wit.ie
Tel: 051 302073

Course Aims

The BSc (Hons) in Applied Computing (Computer Forensics & Security) is a computer science degree with a specialism in the securing, monitoring and investigating of computers, digital devices and data. It also covers programming, computer networks, operating systems and web technologies. It allows you to investigate, decode and decipher the digital world in which you live.

Why is Computer Forensics and Security important?

People generate vast amounts of data every day with each person leaving a digital footprint across the web. Your data is used by companies to sell you products and to see what you are interested in. Your data is also used by hacktivists, cyber criminal gangs and different states that are engaged in a cyberwar and information war with these companies and with each other. Understanding this area allows you to protect everything in your life, such as family, friends, energy, money, transport, even the food and water you consume.

Subject Areas

Year 1: You develop an understanding of the need for security and forensics, and where these fit in the modern world.

Year 2: You delve deeper into the areas of cryptography, data recovery and fraud. You learn how programming vulnerabilities lead to the exploitation of devices and data.

Year 3: Advances your skills in penetration testing, ethical hacking, responding to attacks, conducting network investigations, python scripting, cloud services and law while you are prepared to spend the second half of year 3 in industry or abroad on an Erasmus programme.

Year 4: In your final year there is also a focus on emerging and mobile devices, online investigations, data mining and acting as an expert witness.

Unique Features

Students will learn how data works at a low level, how it is stored and accessed on any digital device, what happens when you press File> Save As at the level of 1's and 0s'. Students will discover how to keep data secure, safe and encrypted. In addition, students will be able to sniff packets from a computer network and look inside them or analyse where the traffic on the network is going, and what it is doing.

Students will examine websites and applications to see how they are vulnerable to attack and will learn how to ethically hack and perform penetration tests on computer systems. Furthermore, students will learn how to use open-source intelligence techniques to ethically find out information about people online and to investigate digital devices such as phones or Internet of Things devices.

This programme differs from the BSc (Hons) in Computer Forensics & Security by an emphasis on Physics rather than Operating Systems.

Career Opportunities

- Anti-Malware Analyst
- Information Security Specialist
- Network Security Specialist
- Data Analyst
- Cybersecurity Software Engineers
- Cybersecurity Specialist
- Ethical Hacker
- Software Developer

Follow on Study

Students who complete the BSc (Hons) in Applied Computing (Computer Forensics & Security) may avail of taught Masters programmes in the area. Also, the unique knowledge and skill set in this course would allow you to pursue postgraduate research opportunities at MSc and PhD level.

The Gallery and Walton Building, Cork Road Campus

STUDENT VIEW

"The Computer Forensics and Security degree being offered at WIT was for me, an amazing opportunity to become educated in the real world application of technologies across all aspects of digital forensics and incident response management. Attending Cyber Crime Conferences has provided me with a greater understanding of the complexities and culture of cyber security and has rubber stamped the importance of education in this growth area. This degree course has something for everyone, offering unique insights into a fascinating world."

Judy O'Brien

BACHELOR OF SCIENCE (HONS) IN

APPLIED COMPUTING (INTERNET OF THINGS)

WD001 IOT

DEGREE OPTION
FROM WD001

wit.ie/wd001IOT

LEVEL
8

ENTRY ROUTE

WD001: Applied Computing (Common entry)

DURATION
4 years

COURSE LEADER
Dr Frank Walsh
BA, BAI, MSc, PhD
Email: fwwalsh@wit.ie

What is the Internet of Things?

Use your voice to play music, buy tickets or reserve a table at your favourite restaurant. Control your home heating or open your front door for a parcel delivery from anywhere in the world using your smart watch. These are example applications of the Internet of Things. The Internet of Things (IoT) involves connecting any device to the internet; enabling them to communicate with people, applications, and other devices. This includes everything from mobile phones, washing machines, headphones, lamps, cars and almost anything you can think of.

The BSc (Hons) in Applied Computing (Internet of Things) will give you the knowledge and skills required to connect devices and build smart cities, smart environments, smart agriculture as well as industrial applications, security & emergency operations, health monitoring and home automation.

Course Aims

Be a programmer and a maker! Be a hacker and a creator! This course aims to place you in a unique position - top class programming abilities combined with a solid understanding of how electronic devices work and connect to the internet. You will be equipped with the knowledge and skills required to build the internet services and devices of the future!

Subject Areas

The subjects you will study are based on the 6 subject areas that are critical to IoT; Programming, Data Science, Devices and Electronics, Networks and Cloud, Mathematics, and Project.

Unique Features

The course has a strong focus on practical collaboration and experimentation. You will do a Project module in every year of the course where you will design and build your own IoT applications. By the end of the course you will have a portfolio of projects that showcases your skills and ability to potential employers. Furthermore, the course team encompasses expertise from the WIT research community active in the IoT domain. In particular, the combined expertise of research teams at Telecommunications Software & Systems Group (TSSG), Automotive Control Group (ACG) and Convergent Technologies Research Group (CTRG) have strongly influenced the course and researchers from these groups are part of the delivery team.

Career Opportunities

You will have career opportunities across a range of employers in various sectors, from Irish based start-ups in agri-tech to large multinationals in smart healthcare. Some example career roles that are available include:

- Software developer/engineer (Internet of Things)
- Internet of Things integration specialist
- Product developer
- IoT networking specialist
- IoT project manager

Opportunities for Further Study

Successful completion of the BSc (Hons) in Applied Computing (Internet of Things) will give you opportunity to apply to several MSc courses both at Waterford Institute of Technology (such as the MSc in Computing (Enterprise Software Systems)) and other third level colleges. Also, the unique knowledge and skill set in this IoT course will enable you to apply for MSc by research or PhD in several research groups in Engineering and Computing.

STUDENT VIEW

"I found WIT was the only institution currently offering an undergrad degree in IoT so I moved to Ireland to study. Having completed my first year, I am thrilled with the result. 1st Year is an excellent balance of theory and practical, covering a wide spectrum of necessary topics; Maths, Physics, Programming and Electronics to name a few, which are all taught by very approachable instructors. Also, through an instructor's connection, I had a summer internship with a USA tech company as their only 1st year graduate. I highly recommend the programme!"

Jonathan Gillespie

BACHELOR OF SCIENCE (HONS) IN

APPLIED COMPUTING (GAME DEVELOPMENT)

WD001 GAD

DEGREE OPTION
FROM WD001

wit.ie/wd001GAD

LEVEL
8

ENTRY ROUTE

WD001: Applied Computing (Common entry)

DURATION
4 years

COURSE LEADER
Robert O'Connor
BSc, MSc
Email: roconnor@wit.ie

Course Aims

Game developers design and create video games for computers and mobile devices. In this stream, students will develop a portfolio of playable games and game prototypes using high-level game development tools such as Unity and Unreal Engine. In addition, they will develop proficiency in high-performance game development using industry-standard languages such as C++, C#, and JavaScript.

Genres of games which students will develop include 2D side-scrolling platformers, first-person shooters and survival games in 2D/3D. Students will develop skills to enable them to create games ranging in technical complexity from indie and casual games up to AAA high-end commercial games.

Subject Areas

In Year 1 you will start to create 2D platformer or side-scrolling games using C#. In year 2, you will create 3D assets as well as 3D games, and you will also learn how to design a successful game through game design. In Year 3, you will be introduced to C++ for games, and also run a small size game development project where you will need to combine (and plan for) the necessary resources for your game.

Year 3 contains a flexible semester, where you may opt for a work placement with a relevant company, giving you real-world industry experience. Other options include studying abroad or engaging in volunteer work. In Year 4, you will strengthen your C++ programming skills, develop mobile games, and create more advanced 3D games.

Unique Features

This stream provides strong practical skills in terms of game development and game production. You will learn all the skills expected of a game developer, such as proficiency in C# and C++, project management, resource and assets management, a good understanding of game design, experience in developing 2D and 3D games, the ability to pitch and promote a game and to document its creation, and you will also create your own portfolio and demos that you will be able to show to future employers.

Career Opportunities

· Game Developper
· Game Designer
· Game Animator

STUDENT VIEW

"I returned to college as a mature student having undertaken a level 5 FETAC course, which was a daunting experience. I had an interest in game design but also science. Since graduating I have found employment in a virtual reality company here in Waterford where we create experiences like the Apollo 11 and build platforms such as Oculus Rift and HTC vive."

Bill O'Keeffe

BACHELOR OF SCIENCE (HONS) IN

APPLIED COMPUTING (MEDIA DEVELOPMENT)

WD001 MED

DEGREE OPTION
FROM WD001

wit.ie/wd001MED

LEVEL
8

ENTRY ROUTE

WD001: Applied Computing (Common entry)

DURATION
4 years

COURSE LEADER
Robert O'Connor
BSc, MSc
Email: roconnor@wit.ie

What is Media Development?

The Media Development path is chiefly concerned with user experience and the presentation of information in a pleasing and efficient manner – sometimes, form is functionality. Humans interact with computer systems and media through a variety of means; web, mobile apps, desktop, etc. This coincides with the exponential growth of mixed media mechanisms such as YouTube, Podcasting, streaming, etc.

If you're a creative person interested in learning the technical skills needed to make high-quality content for the Internet then Media Development is the path you're searching for.

Course Aims

An increasing number of IT professionals must be competent in areas of design and media. This means having a working knowledge of audio/visual creation, editing and manipulation tools; a strong sense of User Experience and literacy with current design trends. The professional must be able to apply the digital media knowledge back to traditional forms of computing. This course melds the general content of Applied Computing, with aspects of creative media.

Subject Areas

- Sound and Video recording and editing
- Design
- User Experience
- Scriptwriting
- Programming
- Internet media standards

Unique Features/Work Placement

Practical results are at the heart of the media development stream. You will learn to create higher quality audio/visual assets as you move through the semesters. Upon graduation, you will have an impressive media portfolio that demonstrates your skills and creativity. Many of the projects you'll undertake will be industry-driven, following on our strong links with broadcast media outlets, content creators, IT companies and web-based organisations.

Career Opportunities

Two business areas that have experience consistent growth over the past twenty years are computing and media. BSc (Hons) in Applied Computing (Media Development) would qualify you for a number of roles such as App Developer, In-House Editor, User Experience (UX) Designer, Web programmer and other roles that haven't even been invented yet!

Follow On Study

Successful completion of the BSc (Hons) in Applied Computing (Media Development) will give you opportunity to apply to several MSc courses both at Waterford Institute of Technology (such as the MSc in Computing) and other third level colleges and universities. Also, the strong media skillset combined with general computing expertise would allow you to pursue postgraduate research opportunities at MSc of PhD level.

BACHELOR OF SCIENCE (HONS) IN

COMPUTER FORENSICS & SECURITY

APPLY CAO **WD161**

wit.ie/wd161

LEVEL **8**

ENTRY REQUIREMENTS
2 subjects: H5
4 subjects: O6/H7
English or Irish: O6/H7
Mathematics: O3/H7

DURATION
4 years

POINTS 2019
Min: 262
Range: 262 - 600

COURSE LEADER
John Sheppard BSc
Email: jsheppard@wit.ie
Tel: 051 302073

Course Aims

As a student of Ireland's longest running undergraduate degree in the area of Computer Forensics and Security you will develop a strong underlying knowledge of how data, storage and communications work down to bit level. You learn how to secure data and technologies and how to investigate these when things go wrong.

Why is Computer Forensics and Security important?

Students who undertake this course will become aware of the value of data in storage and in transit and the need for security. When reconstructing what has happened on a digital device, they are able to adapt to the use of new tools to aid in their analysis.

You will explore issues relating to system and network security as well as ethical hacking techniques for penetration testing. You will learn how to respond to a suspicious incident and the importance your actions can have. You will also learn how to collect and examine network data for types of evidence as well as to generate statistical, session and alert information. Being a strong programmer helps with skills such as secure software development and reverse engineering. Modules in law and business help prepare you for working in a range of roles that you may pursue as a career.

Subject Areas

Year 1 focuses on introducing you to the core disciplines of computing such as programming, web development, maths and computer systems. You are introduced to, and develop an understanding for the need for security and forensics.

Year 2 advances your skills in networks, operating systems, maths and programming. You delve deeper into the areas of cryptography, data recovery and fraud. You learn how programming vulnerabilities lead to the exploitation of devices and data.

Year 3 advances your skills in penetration testing, ethical hacking, responding to attacks and conducting network investigation. There is also a focus on python scripting, cloud services and law while you are preparing to spend the second half of year 3 in industry or abroad on an Erasmus programme.

Year 4 allows you to select a topic of personal interest and work on this under the mentorship of an individually assigned lecturer. This accounts for 25% of your final year. During your final year there is also a focus on emerging and mobile devices, online investigations, data mining and acting as an expert witness in court.

Follow on Study

Students who complete the BSc (Hons) in Computer Forensics & Security may avail of taught Masters programmes in the area. Also, the unique knowledge and skill set in this course would allow you to pursue postgraduate research opportunities at MSc and PhD level.

COURSE OUTLINE

YEAR ONE

SEMESTER ONE
- Programming Fundamentals 1
- Website Development 1
- Computer Systems 1
- Discrete Mathematics
- Physics 1
- The Computer Industry

SEMESTER TWO
- Programming Fundamentals 2
- Web App Development 1
- Computer Systems 2
- Applied Calculus
- Intro to Security & Forensics
- Creative Problem Solving

YEAR TWO

SEMESTER THREE
- Data Structure & Algorithms 1
- Relational Databases
- Computer Networks
- Mathematical Methods
- File Systems Forensics
- Operating Systems

SEMESTER FOUR
- Data Structure & Algorithms 2
- Software Eng. Practice
- Applied Cryptography
- Statistics & Probability
- Secure Prog. & Scripting
- Forensic Acc. & Fraud Audit

YEAR THREE

SEMESTER FIVE
- Web App Development 2
- NoSQL Databases
- Developer Operations
- Professional Practice
- Network Forensics
- Legal Principles of Computer Forensics

SEMESTER SIX
- Learning Portfolio – Flexible Semester
- Ind. Placement
- OR Study Abroad
- OR Professional Cert.
- OR Voluntary Organisation Project

YEAR FOUR

SEMESTER SEVEN
- Mobile App Development 1
- Data Mining 1
- Distributed Systems
- Project 1
- Network Systems & Security
- Criminal Evidence

SEMESTER EIGHT
- Free Elective
- Data Mining 2
- Project 2
- Device Forensics
- Online Forensics

STUDENT VIEW

"I am extremely grateful for everything I have done, learned and the friends I have made over the last four years while enrolled on the BSc (Hons) in Computer Forensics & Security degree. I feel that everything I have studied has really prepared me for working in the industry as I go forward. This degree has given me the opportunity to work in a field that is exciting and at the cutting edge of technology."

David Walsh

BACHELOR OF SCIENCE IN

SOFTWARE SYSTEMS DEVELOPMENT

APPLY CAO
WD151
wit.ie/wd151

LEVEL
7

ENTRY REQUIREMENTS
5 subjects: O6/H7
English or Irish: O6/H7
Mathematics: O5/H7

DURATION
3 years

POINTS 2019
Min: 180
Range: 180 - 565

COURSE LEADERS
Mary Lyng, BSc, MSc
Email: mlyng@wit.ie
Amanda Freeman-Gater, BSc, MSc
Email: afreeman-gater@wit.ie

Course Aims

The aim of this programme is to enable students to develop software with the most modern methods of software technology for all areas of application.

On completion of the programme, students will have the skillset necessary to become competent software developers and business analysts; and students will have the necessary skills and knowledge to meet the needs of today's software industry. The course will also equip the student with the other skills required to work in the software systems industry, including the ability to work as part of a development team, and the ability to work with the system user through all stages of system development.

Why is Software Systems Development important?

People, and businesses such as Google, Facebook and Amazon, generate vast amounts of data every day with each person leaving a digital footprint across the web. This programme will produce software developers, who can manage this data for businesses to give them a competitive advantage, by equipping them with core skills in data science and information systems allied to excellent software development skills. This programme provides you with the opportunity to become a well-rounded software developer with an opportunity to specialise in one of Technology Commercialisation, Psychology, or a European language. There is a demand for high quality software developers with multi-disciplinary skills.

Subject Areas

In year one there is a strong focus on programming and website fundamentals to provide you with a solid background for later years. You will be also introduced to software engineering concepts, and fundamental computing concepts using Raspberry PI's for example. In years 2 and 3 you will study specialist modules in mobile and web app development, database systems, and information systems. More on subject areas at www.wit.ie/wd151.

Unique features

Students will specialise in a multi-disciplinary area of their choice. **Technology Commercialisation** focuses on creating new technology products to meet customer needs. The aim of the **Psychology** stream is to use the principles of psychology as an objective means of studying human behaviour and apply this within an IT context. The **French** and **German** streams aim to enhance the linguistic and cultural knowledge of students.

In year 3 you have the option to complete work placement or study abroad. Studying abroad has become a popular choice for all our students especially those who have chosen the European language elective.

Follow on Study

Graduates from this programme can transfer into the final year of the BSc (Hons) in Software Systems Development - WD210

COURSE OUTLINE

YEAR ONE

SEMESTER ONE
- Programming Fundamentals 1
- Website Development 1
- Computer Systems 1
- Communication Skills
- Systems Analysis, Design & Testing
- Mathematics Fundamentals

SEMESTER TWO
- Programming Fundamentals 2
- Website Development 2
- Computer Systems 2
- Introduction to Software Engineering
- BIS and Processes
- Statistical Analysis

YEAR TWO

SEMESTER THREE
- Data Structures & Algorithms 1
- User Experience Design
- Computer Networks
- Database Fundamentals
- Enterprise Applications
- Stream Choice

SEMESTER FOUR
- Mobile App Development 1
- Web App Development 1
- Introduction to Computer Security
- Database Fundamentals
- Professional Practice
- Stream Choice

YEAR THREE

SEMESTER FIVE
- Learning Portfolio – Flexible Semester
- Ind. Placement
- OR Study Abroad
- OR Professional Cert.
- OR Voluntary Organisation Project

SEMESTER SIX
- Mobile App Development 2
- Further Statistics
- Automated Cloud Services
- NoSQL Databases
- Digital Transformation of Information Systems
- Stream Choice

STUDENT VIEW

Currently working in Red Hat, a Waterford-based software company, Laura speaks highly of her lecturers. "My course lecturers were very active in engaging with prospective employers in order to give students the best opportunity to start their careers." Laura cites her Erasmus experience as the highlight of her studies.

Laura Fitzgerald

BACHELOR OF SCIENCE (HONS) IN

SOFTWARE SYSTEMS DEVELOPMENT

APPLY CAO
WD210
wit.ie/wd210

LEVEL
8

ENTRY REQUIREMENTS
2 subjects: H5
4 subjects: O6/H7
English or Irish: O6/H7
Mathematics: O5/H7

DURATION
4 years

POINTS 2019
Min: 271
Range: 271 - 554

COURSE LEADERS
Mary Lyng, BSc, MSc
Email: mlyng@wit.ie
Amanda Freeman-Gater, BSc, MSc
Email: afreeman-gater@wit.ie

Course Aims

The programme is designed to equip you with the skillset required to work in an array of computing roles in industry. You will develop secure software with the most modern methods of software technology for all areas of application, and you will have the ability to analyse, select, and utilise appropriate emerging technologies for the development of a software solution. You will be able to store, manage and mine data for businesses, and to develop systems to enable organisations to extract value from such data.

Why is Software Systems Development important?

People, and businesses such as Google, Facebook and Amazon, generate vast amounts of data every day with each person leaving a digital footprint across the web. This programme will produce software developers, who can manage this data for businesses to give them a competitive advantage, by equipping them with core skills in data science and information systems allied to excellent software development skills. This programme provides you with the opportunity to become a well-rounded software developer with an opportunity to specialise in one of Technology Commercialisation, Psychology, or a European language. There is a demand for high quality software developers with multi-disciplinary skills.

Follow on Study

Postgraduate programme in WIT, such as the MSc in Computing (Enterprise Software Systems) or the MSC in Computing (Information Systems Processes) or elsewhere. Many Software Systems Development graduates go on to complete research masters and PhDs.

Subject Areas

In year one there is a strong focus on programming and website fundamentals to provide you with a solid background for later years. You will be also introduced to software engineering concepts, and fundamental computing concepts using Raspberry PI's for example. In years 2, 3, and 4 you will study specialist modules in mobile and web app development, database systems, business analytics, information systems and computer security. More on subject areas at www.wit.ie/wd210.

Unique features

Students will specialise in a multi-disciplinary stream of their choice.

Technology Commercialisation focuses on creating new technology products to meet customer needs. Students will be exposed to lean analytics and metrics which will guide their decision making in understanding the commercial viability of a new technology.

The aim of the **Psychology** stream is to use the principles of psychology as an objective means of studying human behaviour and apply this within an IT context. Students will be encouraged to address the centrality of the human, both as a user and a developer.

The **French** and **German** streams aim to enhance the linguistic and cultural knowledge of students. We live in an increasingly globalized world and companies are constantly expanding overseas and dealing with clients from all over the world, so being able to understand and converse with people abroad is an important skill.

In year 3 you have the option to complete work placement or study abroad. Studying abroad has become a popular choice for all our students especially those who have chosen the European language elective.

Career opportunities

- Mobile App Developer
- Software Developer
- Systems Developer
- Programmer/Analyst
- Database Developer
- Web Developer
- SAP Specialist
- Business Analyst
- Data Analyst

COURSE OUTLINE

YEAR ONE

SEMESTER ONE
- Programming Fundamentals 1
- Website Development 1
- Systems Analysis, Design & Testing
- Communication Skills
- Computer Systems 1
- Mathematics Fundamentals

SEMESTER TWO
- Programming Fundamentals 2
- Web App Development 1
- Introduction to Software Engineering
- BIS & Processes
- Computer Systems 2
- Statistical Analysis

YEAR TWO

SEMESTER THREE
- Data Structure & Algorithms 1
- User Experience Design
- Database Fundamentals
- Enterprise Applications
- Computer Networks
- Stream choice

SEMESTER FOUR
- Mobile App Development 1
- Web App Development 1
- Database Systems
- Professional Practice
- Introduction to Computer Security
- Stream choice

YEAR THREE

SEMESTER FIVE
- Learning Portfolio – Flexible Semester
- Ind. Placement
- OR Study Abroad
- OR Professional Cert.
- OR Voluntary Organisation Project

SEMESTER SIX
- Mobile App Development 2
- Further Statistics
- NoSQL Databases
- Digital Transformation of IS
- Automated Cloud Services
- Stream choice

YEAR FOUR

SEMESTER SEVEN
- Agile Software Practice
- Web App Development 2
- Business Analytics 1
- Enterprise Systems Architecture
- Project 1
- Stream choice

SEMESTER EIGHT
- Distributed Systems
- Application Security
- Business Analytics 2
- Project 2
- Stream choice

Course outline is subject to change.

BACHELOR OF SCIENCE IN

MULTIMEDIA APPLICATIONS DEVELOPMENT

APPLY CAO
WD153
wit.ie/wd153

LEVEL
7

ENTRY REQUIREMENTS
5 subjects: O6/H7
English or Irish: O6/H7
Mathematics: O5/H7

DURATION
3 years

POINTS 2019
Min: 170
Range: 170 - 506

COURSE LEADERS
Sinead O'Riordan, BSc, MA
Email: soriordan@wit.ie
Jacqui Woods-O'Brien, BSc, MSc
Email: jwoods-obrien@wit.ie

Course Aims
Multimedia Applications Development enables students to create innovative and creative computer applications. Graduates will be skilled in both computing and creativity to work in today's highly dynamic, high-tech digital environment.

Why is Multimedia Applications Development important?
There is an increasing demand for IT professionals with the skillset required to drive and support the digital media industry within Ireland. The aim of the course is to provide graduates with the knowledge to work in the domains of computing, creativity and digital media.

Subject Areas
Students on this programme will study a broad range of subject areas including Web Development, Graphic Design, Animation, Media Production, Databases, Programming and Mathematics.

Unique features
This is a three year programme designed to provide students with the knowledge, skills and practical experience in the core areas of computing while specialising in multimedia.

Students using innovative tools and technologies, become proficient in programming and digital media to create custom-built interactive applications. The Flexible Semester facilitates professional development, enhances knowledge and technical skills, through a number of different opportunities, see Course Outline below.

Follow on Study
Graduates from this programme can transfer into the final year of the BSc (Hons) in Creative Computing – WD211

Career opportunities
- Software Support and Development
- Web Development
- Graphic Design
- Animation
- Pipeline/Production Management

All graduates will be comfortable working in the diverse areas of multimedia, both in application development and content creation, as part of a multi-disciplinary team.

COURSE OUTLINE

YEAR ONE

SEMESTER ONE
- Creative Programming Fundamentals 1
- Graphic Design 1
- User Experience Design
- Introduction to Creative Media
- Computer Systems 1
- Communication Skills

SEMESTER TWO
- Creative Programming Fundamentals 2
- Website Development 1
- Digital Imaging
- Pipeline Design Concepts
- Computer Systems 1
- Mathematics for Problem Solving

YEAR TWO

SEMESTER THREE
- Website Development 2
- Graphic Design 2
- 2D Animation
- Audio Production
- Database Fundamentals
- Mathematics for Graphics and Statistics

SEMESTER FOUR
- Web App Development 1
- Web Design and Development
- 3D Modelling Fundamentals
- Video Production
- Database Systems
- Professional Practice

YEAR THREE

SEMESTER FIVE
- Learning Portfolio – Flexible Semester
- Ind. Placement
- OR Study Abroad
- OR Professional Cert.
- OR Voluntary Organisation Project

SEMESTER SIX
- Web App Development 2
- Digital Graphic Design
- 3D Animation Practice
- Software Engineering
- NoSQL Databases
- Multimedia Networks

STUDENT VIEW

WIT's BSc in Multimedia Applications Development was an easy choice as it offered both graphic design and software development. The course was challenging and opened up many opportunities for continued study such as database, web development, software development, video and audio production, just to name a few."

Brid Mackey

BACHELOR OF SCIENCE (HONS) IN

CREATIVE COMPUTING

APPLY CAO **WD211**

wit.ie/wd211

LEVEL **8**

ENTRY REQUIREMENTS
2 subjects: H5
4 subjects: O6/H7
English or Irish: O6/H7
Mathematics: O5/H7

DURATION
4 years

POINTS 2019
Min: 275
Range: 275 - 456

COURSE LEADERS
Sinead O'Riordan, BSc, MA
Email: soriordan@wit.ie
Jacqui Woods-O'Brien, BSc, MSc
Email: jwoods-obrien@wit.ie

Course Aims

This degree course has been designed to provide you with the knowledge, skills and practical experience within the cross-disciplinary domains of technology and creativity and will allow you pursue a career in a dynamic, high-tech digital and creative industry.

Why is Creative Computing important?

Enterprise Ireland has identified digital media content as a high growth area in Ireland, with business start-ups in digital media running at twice the rate anticipated. The unique cross-disciplinary nature of this course will foster technical and creative knowledge to work in the domains of technology, creativity and management of digital media.

Subject Areas

This programme is designed to provide students with the knowledge, skills and practical experience in the core areas of computing and creativity. Students using innovative tools and technologies, become proficient in programming and digital media to create custom-built interactive applications. The flexible semester facilitates professional development, enhances knowledge and technical skills. Find out more at www.wit.ie/wd211.

Follow on Study

On successful completion of this Level 8 course, you are eligible to avail of a range of taught and research postgraduate programmes.

Unique features

Students gain theoretical and practical skills using innovative industry standard tools and technologies to become proficient in Creative Computing. These skills enable students to design and develop creative custom-built software applications.

This computing course specializes in areas of creativity such as graphic design, video and audio production, and 2D and 3D animation. In the final year students are given the freedom to focus on specialist areas of interest, through their choice of elective modules and project subject area.

Placement

All students undertake Flexible Semester in year 3, allowing them to put academic theory into practice. There are a number of options available to students during this semester – please consult Course Outline below. Flexible Semester kick-starts the creation of a network of potential contacts for future careers.

Career opportunities

- Graphic Design
- Animation
- Pipeline/Production Management
- Digital Film/TV/Broadcasting
- Mobile Application Development
- Web Development
- Software Support and Development

COURSE OUTLINE

YEAR ONE

SEMESTER ONE
- Creative Programming Fundamentals 1
- Graphic Design 1
- User Experience Design
- Introduction to Creative Media
- Computer Systems 1
- Communication Skills

SEMESTER TWO
- Creative Programming Fundamentals 2
- Website Development 1
- Digital Imaging
- Pipeline Design Concepts
- Computer Systems 1
- Mathematics for Problem Solving

YEAR TWO

SEMESTER THREE
- Website Development 2
- Graphic Design 2
- 2D Animation
- Audio Production
- Database Fundamentals
- Mathematics for Graphics and Statistics

SEMESTER FOUR
- Web App Development 1
- Web Design and Development
- 3D Modelling Fundamentals
- Video Production
- Database Systems
- Professional Practice

YEAR THREE

SEMESTER FIVE
- Learning Portfolio – Flexible Semester
- Ind. Placement
- OR Study Abroad
- OR Professional Cert.
- OR Voluntary Organisation Project

SEMESTER SIX
- Web App Development 2
- Digital Graphic Design
- 3D Animation Practice
- Software Engineering
- NoSQL Databases
- Multimedia Networks

YEAR FOUR

SEMESTER SEVEN
- Mobile App Development 1
- Project 1
- Computer Security
- Project Management
- Data Visualisation
- CHOOSE 1: 3D Lighting and Rendering / Advanced Media Production / Instructional Design

SEMESTER EIGHT
- Mobile App Development 2
- Project 2
- Integrated Marketing
- Multimedia Daatabases
- CHOOSE 1: 3D Animation and Transmedia / Advanced Graphic Design / eLearning

Course outline is subject to change.

BACHELOR OF SCIENCE IN

INFORMATION TECHNOLOGY

APPLY CAO **WD155**

wit.ie/wd155

LEVEL **7**

ENTRY REQUIREMENTS
5 subjects: O6/H7
English or Irish: O6/H7
Mathematics: O5/H7

DURATION
3 years

POINTS 2019
Min: AQA*
Range: AQA - 625

*AQA = All qualified applicants

COURSE LEADERS
Sinead Walsh BSc, MSc
Email: srwalsh@wit.ie
Dr TJ McDonald BSc, MSc, PhD
Email: tmcdonald@wit.ie

Course Aims

This three year programme will provide you with the skills to work in the computer industry in a wide variety of different jobs. You will develop your knowledge about the critical role played by technology in organisations; become proficient in analysing, designing and developing computer systems and you will acquire the skills that will allow you to integrate various technologies together to form technical solutions for businesses across a wide range of industries.

Why is Information Technology important?

Information Technology plays a crucial role in all aspects of modern organisations. Currently, there is a shortage of people who have the skills to understand, design, develop and integrate technologies to develop solutions for problems that exist across all sectors of businesses, such as banking and healthcare.

Subject Areas

In first year there is a strong focus on understanding and appreciating the critical role technology plays in modern life, developing a basic set of core technical skills. In the subsequent years you will study specialist modules like NoSQL databases, Cloud Computing, Computer Security and Mobile Applications Development that will build on the knowledge gained in first year and equip you with the skills to become a specialist in technology integration, allowing you to gain employment in a diverse set of industries across the world.

Unique features

This course is built on two core computing areas, both of which have a high demand for graduates:

- Databases and Information Systems,
- Secure computer networks and cloud computing.

You will initially acquire skills in these specific areas and subsequently in their integration that will facilitate the development of creative and innovative technical solutions to solve problems in an array of businesses. At the beginning of year 3 you have the option to complete work placement or study abroad, which is a fantastic opportunity to experience a different culture and environment.

Follow on Study

On successful completion of this Level 7 course, you are ideally prepared for the BSc (Hons) in Information Technology Management (WD220). You are also eligible to avail of a range of other Level 8 programmes within WIT and elsewhere.

Career opportunities

- Computer Technician
- Data Administrator
- Database Developer
- Information Architect

COURSE OUTLINE

YEAR ONE

SEMESTER ONE
- Programming Essentials 1
- Website Development 1
- Computer Systems 1
- Communication Skills
- Systems Analysis, Design & Testing
- Mathematics Fundamentals

SEMESTER TWO
- Programming Essentials 2
- Web Design & Development
- Computer Systems 2
- Creative Problem Solving
- BIS and Processes
- Statistical Analysis

YEAR TWO

SEMESTER THREE
- Programming Essentials 3
- Database Fundamentals
- Computer Networks
- Introduction to Cloud Computing
- Enterprise Applications
- Network Theory Fundamentals

SEMESTER FOUR
- Web App Development 1
- Database Fundamentals
- Networks Infrastructure
- Introduction to Computer Security
- Professional Practice
- Further Statistics

YEAR THREE

SEMESTER FIVE
- Learning Portfolio – Flexible Semester
- Ind. Placement
- OR Study Abroad
- OR Professional Cert.
- OR Voluntary Organisation Project

SEMESTER SIX
- Mobile App Development 1
- NoSQL Databases
- Automated Cloud Services
- Application Security
- Digital Transformation of Information Systems
- Enterprise Data Exchange & XML

STUDENT VIEW

"I completed the BSc in Information Technology and I really enjoyed the course. It gave me a great foundation in computing with a high practical content. The course enabled me to be able to work on my own initiative and within a team environment which is critical for my current position. The lecturers on my course were always very helpful and supportive. The flexible semester was a great part of the course. I took this opportunity to travel to Canada for 6 months. I would highly recommend the BSc in Information Technology to any student currently thinking about computing at WIT."

Eibhin McCormack

BACHELOR OF SCIENCE (HONS) IN

INFORMATION TECHNOLOGY MANAGEMENT

ADD-ON COURSE

WD220

wit.ie/wd220

LEVEL

8

ADD-ON COURSE

Graduates from a Level 7 degree in any computing discipline may apply for entry to this course.

DURATION
1 year

COURSE LEADER
Dr TJ McDonald BSc, MSc, PhD
Email: tmcdonald@wit.ie

Course Aims

This is a one year full-time programme that will provide you with the skills to create technical solutions and manage an array of technologies that are used in the computer industry. You will develop an in-depth knowledge about integrating diverse technologies in organisations, be able to critically assess various types of software, evaluate options and make recommendations on how to design, develop and implement complex solutions. In particular you will acquire the project planning skills that will allow you to plan activities and complete a project that will enable you to showcase the diverse skills you will acquire during the year.

Why is Information Technology Management important?

Information technology plays a crucial role in all aspects of society. Currently, there is a shortage of people who have the skills to critique, design and develop complex technical solutions and in particular manage the integration of diverse technologies that solves problems and provides efficiencies across all types of organisation.

Follow on Study

After completing this programme you will be eligible to apply for a one year level 9 programme at WIT, such as the MSc in Computing (Information Systems Processes), or elsewhere.

Unique features

This course is built on technology management; specifically it focuses on managing data, administering databases, monitoring networks and applying system security protocols. You will be able to critically assess and make recommendations on the various technologies that underpin the operation of modern businesses and subsequently play a strategic role in the development and management of complex technical solutions.

Subject Areas

In this course there is a strong focus on managing technology and appreciating how complex systems often require innovative and creative solutions. You will be introduced to concepts such as data warehousing and business intelligence, project management, database administration, system security and cloud computing. You will complete a project that will enable you to demonstrate the skills acquired during the year and facilitate you to develop expertise in diverse and exciting areas of computing.

Career opportunities

Graduates of the BSc (Hons) in Information Technology Management may find employment in the following positions:

- Project Manager
- Data Administrator
- Network Manager
- Systems Architect
- Security Technician

COURSE OUTLINE

ONE YEAR ADD-ON (YEAR FOUR)

SEMESTER SEVEN

- Business Intelligence & Data Warehousing
- Project Management
- Network and System Security
- Cloud Computing 1
- Project 1

SEMESTER EIGHT

- Database Administration
- Business Intelligence Visualisation
- Knowledge Systems Engineering
- IT Operations Management
- Cloud Computing 2
- Project 2
- Computer Forensics

Course outline is subject to change.

Walton Building, Cork Road Campus

STUDENT VIEW

"I attended an open evening where I spoke to two graduates, they gave me an overview of what to expect throughout the duration of the course which was very helpful. My class in first year was a mix of students of all ages and educational levels so it was quite a varied group. The first two or three weeks were quite disorientating, as you don't know where the classrooms are, but after this initial period everything became routine. My 4th year project was a Morse code Training application which aims to teach people Morse code. The inspiration came to me having learned Morse code while in the Navy."

Robert O'Brien

How to apply to WIT

This section is intended to assist you in applying for a place at WIT. Please read it carefully as admission to most of our courses is by way of a competition from which you will be eliminated if you don't follow the rules. All applicants should have a good understanding of the nature and content of the courses for which they apply, so we advise you to read carefully the full course descriptions.

STANDARD APPLICATION:

A standard application is from a candidate who:

a) Is presenting Leaving Certificate or QQI FET / FETAC Certificate examinations results to meet the minimum entry requirements, and
b) Has no previous third level education (in institutes of technology, universities, colleges of education, colleges of art and design, or their equivalents abroad), and
c) Is not of mature years (23 years of age on 1 January of the year of entry).

Standard Applicants apply normally through the CAO by 1 February.

Applicants with disabilities and how to apply:
In accordance with the definition prepared by the Association for Higher Education Access and Disability (AHEAD), the Institute defines a student with a disability or learning difficulty as follows:

> "A student is disabled if she or he requires a facility which is not part of the mainstream provision of the college concerned, to enable participation in the college to the full extent of her or his capabilities and without which she or he could be educationally disadvantaged in comparison with peers".

The Institute welcomes applications from people with disabilities through the CAO by 1 February.

The Disability Officer for Waterford Institute of Technology is Laura Hartrey.
(Tel: 051 302871, Email: disabilityoffice@wit.ie)

DARE Programme
Waterford Institute of Technology has joined the Disability Access Route to Education (DARE) for 2020 CAO entry and has reserved a number of reduced points course places for DARE applicants. 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 through the CAO to school leavers who, as a result of having a disability, have experienced additional educational challenges in second level education. For more information on applying to DARE visit: www.accesscollege.ie.

NON-STANDARD APPLICATION:

A non-standard application is one that does not meet the definition of a standard application.

The special categories are:

- GCE/GCSE
- Other School Leaving exams
- NCVA Level 2/3
- FETAC Level 5/6
- Further Education (other than QQI)
- Mature
- Higher/Third Level Education

Persons wishing to make a non-standard application must select the relevant category when applying to the CAO.

Although the Institute will try to assess all non-standard applications on the basis of the information provided, it reserves the right to call such applicants to the Institute to assess their case. Assessments and decisions are based on the supporting documents provided at application stage.

Key CAO dates to remember:

1 February 2020:	Initial CAO deadline
1 May 2020:	Late Applications deadline
1 July 2020:	Change of Mind deadline
August 2020:	First round of offers*

*Further offers may be made in subsequent rounds if all places are not filled following the first round offers.

Key points in filling out your CAO application:

- Apply through CAO, **www.cao.ie**
- Complete parts A and B of the CAO application form
- Non-standard applicants should provide as much relevant, supplementary information as possible
- Read the CAO handbook carefully

How to apply through the CAO

Detailed information on how to apply through the CAO system is available from the CAO (Central Applications Office) or at **www.cao.ie.**

Applications are made online at www.cao.ie

When making your application, it is very important to list your courses in genuine order of preference and, in addition, to understand the admission policies of Waterford Institute of Technology. www.wit.ie/admissionspolicies

WIT will communicate with you via email. It is your responsibility to ensure your email address is correct on the CAO.

WHO APPLIES TO THE CAO:

- EU citizens presenting with Irish Leaving Certificate or QQI FET / FETAC Certificate qualifications.
- EU citizens presenting with other European School Leaving qualifications.
- Non-EU citizens presenting with Irish Leaving Certificate or QQI FET / FETAC Certificate qualifications.
- Non-EU citizens presenting with other Non-European School Leaving qualifications.
- Refugees presenting with Irish Leaving Certificate, QQI FET / FETAC Certificate qualifications, European School Leaving qualifications or Non-European School Leaving qualifications.

ENTRY REQUIREMENTS:

- Entry points required for courses are dependent on demand. Recent points are listed on course pages and on the quickguide to courses.
- We have set out the standard required for qualification in the course descriptions. If you do not meet these, you cannot be offered a place, even if your points are higher than the minimum.
- In the case of the Leaving Certificate you may combine results from more than one sitting for the purposes of entry requirements only.
- For European/non-European school leaving qualifications, see **www.wit.ie/yourapplication**
- For English language requirements, see **www.wit.ie/englishrequirements**

RECEIVING AN OFFER:

In order to receive an offer of a place you must:

1. Be qualified for the course, and
2. In the event that there is competition for places, you must attain the required minimum points.
3. We will offer places to qualified applicants in order of decreasing point scores and the minimum score will be that attained by the last candidate offered a place.
4. Decisions on applications are normally taken in August.
5. All offers of places will be issued by CAO and will be available online at **www.cao.ie**

MATHS INITIATIVES:

- Bonus points will be awarded for Higher Level Maths. See **www.wit.ie/bonuspoints**
- Maths Entry Exam is designed to assist students who have not met the required maths grade for entry into WIT. It will not provide additional points. See **www.wit.ie/mathsentryexam**

ABSENCE AT APPLCIATION AND OFFER STAGE:

Experience has shown that difficulties can arise if you are not available at application and offer stage. It is strongly recommended that you should be at the correspondence address during the application process and in August when offers of places are issued. If this is not possible, have another person at the address briefed clearly on what to do. If you fail to deal with your application or an offer properly and on time you may lose the place.

OFFER PROCEDURES:

Offers will be issued independently in respect of Level 8 and Level 7/Level 6 courses, so that some applicants may receive two offers of places simultaneously.

OFFER ACCEPTANCE:

- If you receive more than one offer, you may make successive acceptances but an acceptance automatically cancels and supersedes any previous acceptance(s) - you may have only one current acceptance in the entire CAO system.
- You may view an offer on the CAO website at www.cao.ie and accept online.
- You may accept an offer either online or by complying in full with all instructions set out in the Offer Notice. Do not do both.

LAPSE OFFERS:

An offer will lapse unless you accept it within the specified period on your Offer Notice.

StartWIT:

Registration and orientation for first-year students will take place in early September. Classes will also commence for first-year students in early September.

DEFERRING A PLACE:

WIT will consider sympathetically requests from applicants, who, having been successful in gaining a place in the Institute, decide that they wish to defer their entry until the following year.
For more information on deferrals, visit **www.wit.ie/deferrals**

REGULATIONS:

All applications, offers and registration processes are subject to the full regulations of the Institute which are available at **www.wit.ie/regulations**

How to apply: Qualifications other than the Leaving Certificate

QQI FET / FETAC

Waterford Institute of Technology welcomes applications from applicants who are presenting QQI FET / FETAC Level 5 or Level 6 awards. This scheme provides for the scoring of applicants presenting QQI FET / FETAC (NCVA) examination results.

A full QQI FET / FETAC award normally contains eight modules. Where a full award is accumulated over more than one academic year, it is the responsibility of the applicant to apply to QQI FET / FETAC for a full award. A Component Certificate/Record of Achievement does not meet these minimum entry standards.

An applicant's QQI FET / FETAC score can be achieved over multiple sittings ie. over more than one certification year, between 1 August and 31 July.

CLOSING DATES AND RESTRICTONS

QQI FET / FETAC applicants must apply through the Central Applications Office, Galway, see www.cao.ie for details including list of restricted courses.

APPLICATION PROCESS

- Applicants must apply through the CAO system.
- Application can be made online at www.cao.ie
- Applicants must ensure to enter their PPS number in the relevant box in Section A.
- Applicants must have obtained a full QQI FET / FETAC award.
- Progression is on the basis of achieving a Level 5 or 6 major award, with a minimum credit value of 120.
- **A Component Certificate/Record of Achievement is not sufficient.**
- Applicants presenting full QQI FET / FETAC Level 5 or Level 6 awards will not be required to meet minimum entry requirements based on Leaving Certificate results. The QQI FET / FETAC award is accepted in its own right.
- In the case of WD027 BA (H) in Music, applicants must apply to the CAO by 1 February, attend and pass the Music Assessments in order to be eligible to compete on QQI FET / FETAC results.

MINIMUM ENTRY REQUIREMENTS

The following minimum entry requirements will apply to graduates of QQI FET / FETAC Level 5 seeking admission to courses at Waterford Institute of Technology:

- Higher Certificate (Level 6): Minimum entry: QQI FET / FETAC Level 5 or Level 6 award.
- Ab-initio Degree (Level 7): Minimum entry: QQI FET / FETAC Level 5 or Level 6 award.
- Ab-initio Honours Degree (Level 8): Minimum entry: QQI FET / FETAC Level 5 or Level 6 award including a distinction grade in at least three modules.

QQI FET / FETAC CANDIDATES FOR NURSING PROGRAMMES

QQI FET / FETAC applicants for Nursing programmes – there is a quota of places reserved for applicants applying to Nursing programmes presenting specific QQI FET / FETAC awards. The table below sets out the number of "QQI FET / FETAC" places currently available in WIT:

PROGRAMME	TOTAL PLACES	QUOTA FOR QQI FET / FETAC INTAKE
WD116 – General Nursing	51	4 places
WD117 – Psychiatric Nursing	43	4 places
WD120 – Intellectual Disability Nursing	25	4 places

Please consult the latest edition of "Nursing/Midwifery a Career for You" on www.nursingcareers.ie for details.

Whilst QQI FET / FETAC applicants may meet the requirements outlined above and be eligible for a nursing degree programme, due to the small number of places available, a random selection system is operated by the CAO.

QQI FET / FETAC SCORING

The scoring scheme only applies where all the requirements for the major award are met, ie. when the named component awards specified have been achieved to a minimum of 120 credits.

See the QQI FET/FETAC qualifications section at **www.cao.ie** for further details.

Level 5 and 6 Certificates, ie. major awards, achieved before the introduction of CAS are also scored according to the system outlined above. To view the list of QQI FET / FETAC awards, see www.fetac.ie/fetac/awardsinfo/directory/directory.htm

QQI FET / FETAC results cannot be added to Leaving Certificate points. Where applicants have taken both exams, the higher points will be considered for rating purposes.

WIT FURTHER EDUCATION PROGRESSION SCHEME

In addition to the standard QQI FET entry route, Waterford Institute of Technology offers preferential entry to students who successfully complete a linked programme in partner Colleges of Further Education and who meet certain criteria.

For more information visit **www.wit.ie/progression**

LEAVING CERTIFICATE VOCATIONAL PROGRAMME

WIT treats the link modules as a single subject and awards points as follows:

Pass: 28 points Merit: 46 points Distinction: 66 points

This is automatically computed by the CAO and will count if it is one of your 6 best subjects. It will not, however, substitute an honour where one or more are required.

LEAVING CERTIFICATE APPLIED PROGRAMME

The Leaving Certificate Applied Programme was designed primarily to prepare for the transition from school to working life. It is not intended for direct transfer into third level. However, students with the LCAP who have completed a QQI FET / FETAC award can be considered for entry.

ADVANCED ENTRY

Waterford Institute of Technology offers a range of undergraduate courses to those who already hold third-level educational qualifications or have significant professional experience.

Admission into years 2, 3, 4 or 5 is subject to the availability of places. Prior to applying we advise that you review the set minimum entry requirements for your specific programme of choice.

Please note that you must provide all documentary evidence (i.e. certified copy of examination results script, Award Certificates) in support of your application to Advanced Entry Admissions prior to your application being considered by the relevant Academic Head of Department. Once an outcome is determined (successful/unsuccessful), you will be issued an email to the address provided by you at time of application.

For more information visit **www.wit.ie/advancedentry.**

Money matters

STUDENT CONTRIBUTION

The Student Contribution Charge for the academic year 2019/2020 is €3,000. The Student Contribution is an annual charge directed by the Higher Education Authority. All third level students are liable to pay this fee unless they qualify for a SUSI grant.

GRANTS

All new grant applications for 2020/2021 must be made online to SUSI (Student Universal Support Ireland) through www.susi.ie or telephone 0761 087874. If approved, SUSI will pay the Student Contribution on behalf of the student directly to Waterford Institute of Technology. It is not necessary to have received an offer of a college place or to be enrolled in college in order to apply online.

For students who have paid this fee in the interim, this will be refunded by the grants office.

For further information on grants please log onto:
www.citizensinformation.ie
www.studentfinance.ie

TUITION FEES

Generally, first time undergraduate students pursuing a full time programme will qualify for free tuition fee funding. Please refer to www.studentfinance.ie for full details of the "Free Fees Initiative" (F.F.I.) scheme. A student who qualifies under the F.F.I. will be exempt from paying tuition fees to WIT. Those students who do not qualify under the F.F.I. will be liable to pay all tuition fees depending on the programme they choose to complete.

WIT STUDENT CARD

This is a €15.00 charged to all first year students for the issue of a student card. This WIT card is required for access to student facilities. Where a student already holds a valid WIT Card from previous years a new card is not required.

CONTACT INFORMATION

The Fees & Grants Office is located within the Finance office on the 1st floor of the Tourism & Leisure Building at the Main Cork Road Campus and operates within the following hours only:

Monday:	**2.00pm – 4.00pm**
Tuesday:	**10.30am – 12.30pm**
Wednesday:	**10.30am – 12.30pm**
Thursday:	**2.00pm – 4.00pm**
Friday:	**2.00pm – 4.00pm**

Fees & Grants staff can be contacted by phone or email at all times.

Linda McGrath
051 845692

Caroline Sheridan
051 302088 / grants@wit.ie

Regina Lawlor Uddin
051 302867 / fees@wit.ie

Marie Cummins
051 302048 / mcummins@wit.ie

Disclaimer: The Grants & Fees section is a simplification of the rules and it should not be taken as a formal expression of the regulations, as schemes may be changed by parties other than WIT. Information is correct at time of print.

Mature students

Going to college is an exciting time, full of expectation, and hope for the future. It can also be an anxious time, no more so than for students coming back into higher education after being away from it for a few (or many) years. At WIT we have lots of support services to help you in deciding what option is best for you and in your transition to college life.

FREQUENTLY ASKED QUESTIONS

Do I qualify as a Mature Student?
A mature student is someone who is at least 23 years of age on 1 January of the year of entry to an undergraduate course and who may not meet the normal admission requirements. There is no upper age limit.

Why should I consider third level education as a mature student?
Mature students decide to enter third level education for a variety of reasons:

- To complete their education and get a qualification
- To further develop an interest in a given subject
- To improve their job prospects
- To retrain for another career
- To develop their social and personal skills

How do I apply for a place on an undergraduate course?
There are two main steps to take:

- Complete your CAO application by 1 February 2020. Note that there is a late application deadline of 1 May 2020.
- See Mature Applicant policy document for details regarding additional assessment processes for WIT courses. Web: www.wit.ie/admissionspolicies

Note: You must apply for Nursing & Music courses by 1 February.

What are the key points when applying to the CAO?

- Read the CAO Handbook carefully
- Read the information on www.wit.ie/caomature
- Ensure you complete the Mature Applicant Sections
- Ensure you post your supporting documents to the CAO within 10 working days

Selection Process – Mature Applicants (excluding Nursing & Music)

For full details on the selection process, please visit **www.wit.ie/admissionspolicies**

Selection Process - Nursing Applicants
Mature applicants for Nursing courses will receive correspondence under separate cover from the Nursing Careers Centre (Public Appointments Service - PAS). For full details on the application process see **www.nursingcareers.ie**

Selection Process - Music Applicants
If an applicant includes WD027 BA (Hons) in Music (Level 8) as a choice, applicants will not be scored for WD027 and will be assessed solely on the basis of the WIT Music Audition.

Mature Applicant Policy
For full information, please refer to the Mature Applicant policy at www.wit.ie/admissionspolicies

Mature Applicant – Change of Mind
The Change of Mind facility becomes available after 1 May and the closing date is 1 July. The Change of Mind Facility affords mature applicants an opportunity to change the order of preference only of their course choices. If applicants introduce a new programme to their list of choices by way of Change of Mind, they will compete for a place on that programme based on their Leaving Certificate or equivalent results only. They will not compete as a mature applicant.

Restricted Application Course – WD027 BA (Hons) in Music – if added for the first time via a Change of Mind is invalid and will not be considered. Closing date is strictly 1 February for application to this course.

Nursing Applicants - All applicants apply using the standard nursing codes WD116, WD117 and WD120. These codes can be added at Change of Mind. However, in order to compete as a mature applicant, at least one such code must have been among your 1 February listing.

Mature Applicant - Decisions & Offers
Successful candidates will be offered a place in the highest of their course preferences to which they are entitled (if any). This will be done, independently, in respect of level 8 and level 7/ level 6. Applicants may, therefore, receive two offers at the same time, one for the highest level 8 preference to which s/he is entitled and the other for the highest level 7/level 6 preference to which s/he is entitled. Offers to mature applicants are normally made in Round A from the CAO, which normally happens in early July, in advance of the Leaving Certificate offers.

Mature Applicant - Deferral of Places
WIT will consider sympathetically requests from applicants, who, having been successful in gaining a place in the Institute, decide that they wish to defer their entry until the following year.

Additional Assessment
See the Mature Applicant policy document for details regarding additional assessment processes for WIT courses.
www.wit.ie/admissionspolicies

Can I get funding to assist my return to study?

If you are currently unemployed, you may be eligible for the Back to Education Allowance scheme. Contact your local Social Welfare Office for information.

Many mature students are eligible for a grant while attending college. Full details are available from **www.studentfinance.ie**. The grant process can take some time so we advise you to start early. See page 129 for Money Matters.

Can I apply as a Non-EU applicant?

No, but to apply through the CAO, you must hold an EU birth certificate or passport and be resident in an EU member state for three of the five years prior to entry to an undergraduate course or have official refugee status. Non-EU applicants are welcome, but will be subject to fees and must apply directly to WIT's International Office. In addition, if English is not your first language, you will be required to provide evidence of proficiency in the language.

For more information see **www.wit.ie/international**

Are there additional supports for mature students?

The Waterford Adult Educational Guidance Service provide information, independent advice, educational/career guidance and one-to-one consultations to adults who are making choices about returning to education, retraining or up-skilling for career change.

For information, see **www.wwaegs.ie**

WIT's support service: Student Life & Learning

- Student Life & Learning coordinates a number of activities for registered mature students. These include: mature student orientation, various workshops which include study skills and exam techniques.
- Links with the Computing & Maths Learning Centre which provides additional programming and maths support to students. This is open to all students and is free of charge.
- A Taster day for Mature Students. This is a 'taster' programme run over Easter for adults who are considering returning to education.
- Services providing guidance in relation to wider academic and non-academic services, such as course transfers, deferrals, counselling, disability services, and chaplaincy services.
- The Careers Office provides services to mature students.

For information, see **www.wit.ie/sll**

Informal supports (eg. course leaders, the Students' Union, other class mates, other members of clubs and societies) often play a big role in supporting all students at WIT.

More information:
Email: maturestudent@wit.ie
Web: www.wit.ie/mature

Disclaimer: All rules & regulations regarding mature applicant selection are correct at time of print, but may be subject to change.

Jennifer Duggan
WIT Students' Union
Mature Student Officer

maturestudent@witsu.ie

Top Tips for Mature Students

- Choose your course carefully. Find something you enjoy and then find a way to make it pay. You know more than you think so don't be worrying. Worrying and stressing use up time and energy you may as well use for studying.
- When it comes to exams, you won't be asked anything you haven't been told in class, so…
- Go to your lectures!
- The only stupid question is the one that goes unasked
- For matures students… treat college like being self-employed with one big pay day at the end.

Outreach

At WIT, we understand that finding out information on all aspects of going to third level is important to you. Whether it's information on courses, entry points, accommodation, clubs and societies or students supports, the Schools' Liaison and Outreach team are available to give you advice and assistance to ensure you make the right decisions.

WIT OPEN DAYS

For a full list of open events, visit www.wit.ie/events

WIT Autumn Open Days

Friday and Saturday, 22 and 23 November 2019
Venue: WIT Arena, West Campus, Carriganore
Primarily aimed at 6th Year Leaving Certificate students, their parents and guidance counsellors looking to explore the full range of courses on offer at WIT.

WIT Spring Open Day

Saturday, 28 March 2020
Venue: Main Campus, Cork Road
Our Spring Open Days will assist students in confirming their CAO choices and preferences through attending a series of information talks and workshops across all discipline areas.

Try WIT EVENTS

For a full list of try events, visit www.wit.ie/try

Prospective students can learn more about the courses and careers they are considering for their future by taking part in WIT Taster Days.

Try **Music** - 24 Oct
Try **Nursing** - 29 Oct - 1 Nov
Try **Architecture** - 8 Nov
Leaving Cert. **Music** Day - 14 Nov
Try **Law** - 9 Dec
Try **Social Science** - 9 Dec
Try **Business** - 10 Dec
Try **Hotel** - 10 Dec
Try **Languages** - 11 Dec
Try **Engineering Technology** - 22 Jan
Try **Sport** - 21 Feb
Try **Art** - 26 Feb

Ask WIT EVENTS

For a full list of ask events, visit www.wit.ie/cao

Throughout the year WIT hosts a number of Ask WIT events to assist students with their CAO applications, course choices and offers. Prospective student and their parents can visit our dedicated drop-in centre, take part in live web chats, call our CAO helpline or text WIT.

Ask WIT: CAO 1 February events

30 January - 01 February 2020

Ask WIT: CAO Change of Mind events

5 May - 1 July 2020

Ask WIT: CAO Offers events

11 August - 21 August 2020

CAMPUS TOURS

School Groups

From September to June each year we welcome secondary school groups to campus. With a member of the Schools' Liaison team as your guide, the school group campus tour gives prospective students the opportunity to see our campus first-hand, learn about WIT's history, student life, residential life, dining, and campus safety.

Cork Road and College Street Campus Tours

With a WIT Graduate Ambassador as your guide, our campus tours give prospective students, their parents and friends the opportunity to see our campus first-hand, learn about WIT's history, student life, residential life, dining, and campus safety. Individual campus tours are approximately 60 minutes.

WIT Arena and Sports Campus Tours

With a WIT Graduate Ambassador as your guide, the WIT Arena and Sports Campus tour gives prospective students, their parents and friends the opportunity to explore the state-of-the-art sports facilities at our Carriganore Campus. Explore our gym facilities with the latest PreCore and EXIGO equipment, high performance gym, dance studio, 2km cross country run set, 2500 seated arena, full sized flood lit 3rd generation GAA pitch, rugby and soccer pitches and physiotherapy rooms. WIT Arena & Sports Campus tours are approximately 60 minutes.

To book

Email: campustours@wit.ie
www.wit.ie/campustours

SCHOOL TALKS

From September to June each year our Schools' Liaison team and Graduate Ambassadors are available to visit schools. To arrange for a speaker to visit your school please visit www.wit.ie/teachers

CAREERS FAIRS

To arrange for a WIT representative to attend a careers fair, please get in touch with us.

CONTACT

Email: schoolsliaison@wit.ie
Tel: +353 51 845534

TRY WIT

TRY SPORT
21 FEB

TRY ART
26 FEB

TRY HOTEL
10 DEC

TRY BUSINESS
10 DEC

TRY ARCHITECTURE
08 NOV

TRY MUSIC
17 OCT

TRY NURSING
29 OCT - 01 NOV

TRY LAW
09 DEC

TRY ENGINEERING TECHNOLOGY
22 JAN

TRY SOCIAL SCIENCE
09 DEC

TRY LANGUAGES
11 DEC

FOR A FULL LISTING OF TRY WIT EVENTS PLEASE VISIT WIT.IE/TRY

WIT OPEN DAYS

22 + 23 NOVEMBER

Waterford Institute *of* Technology
INSTITIÚID TEICNEOLAÍOCHTA PHORT LÁIRGE

WIT.IE/CAO

Waterford Institute *of* Technology
INSTITIÚID TEICNEOLAÍOCHTA PHORT LÁIRGE

WIT50
1970 - 2020

OPEN DAYS

WIT Autumn Open Days:
Friday 22 November, 9am – 2pm
Saturday 23 November, 9am – 2pm
Venue: WIT Arena, West Campus, Carriganore, Waterford

WIT Spring Open Day:
Saturday 28 March, 10am – 1pm
Venue: Main Campus, Cork Road, Waterford

CONTACT US

Tel: 051 845534
Email: schoolsliaison@wit.ie

www.wit.ie

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