

CHOOSE

INSTITUTE OF TECHNOLOGY CARLOW

CAO CHANGE OF MIND 2017

Institiúid Teicneolaíochta Cheatharlach



INSTITUTE of
TECHNOLOGY
CARLOW

At the Heart of South Leinster



CLOSING DATE 1ST JULY 2017



Welcome to Institute of Technology Carlow

For thousands of students, Institute of Technology Carlow is where the journey begins. Our graduates are enjoying exciting careers in aviation, sports coaching, games development, media and PR, science and engineering at home and across the globe.

Find out how you can inspire your ambition with one of our wide range of honours degrees, ordinary degrees and certificate courses across science, business, engineering, sports and humanities.

Check out the courses available at www.itcarlow.ie/changeofmind

If you need help or have any questions, call us on 059 917 5173 and our admissions team will be happy to assist you.

Remember, if you are changing your course preferences, 1st July is the CAO deadline.

A handwritten signature in black ink that reads "Shauna Whyte".

Shauna Whyte
Head of Academic Administration and Student Affairs

Why Choose Institute of Technology Carlow?

Career focused courses

Institute of Technology Carlow works closely with industry to ensure its courses are designed to meet industry needs. Over 90% of graduates are employed within six months of completing their course.

Opportunities for high achieving students

Our students regularly win and feature in national and international competitions in science, engineering, design, media, games development and computing.

Institute of Technology Carlow offers a High Performance entry scheme for high achievers in sport, entrepreneurship and volunteering. In addition, high achieving students are awarded Academic and Sports Scholarships each year.

Wide selection of courses

There are more than 60 courses to choose from across a wide range of disciplines, with the opportunity to progress to Masters and Doctoral level.

Emphasis on practical experience

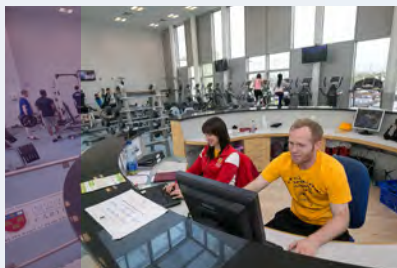
The majority of courses at Institute of Technology Carlow include a work placement module providing real life, practical experience in the student's chosen field. Continuous assessment and project work are used to help students develop practical, real-world skills required by employers.

Modern campus facilities

A multi-million euro investment in facilities and equipment ensures our students are given the very best learning opportunities and our graduates, the best competitive advantage in the marketplace. The Haughton Building, our new Teaching and Learning Centre, is the latest development in a €150 million capital investment programme at Institute of Technology Carlow. The programme has already delivered the Centre for Aerospace Engineering in 2015, the Dargan Centre for Research and Innovation in 2014 and a multi-million euro Student Services and Sports Facilities Centre in 2012.

Top class sports facilities

Institute of Technology Carlow's premium sports facilities are enjoyed by the general student body as well as by our elite athletes and sports students. The Institute is recognised as one of the leading third-level sporting institutions, with a growing academic portfolio of sports courses. Work has begun on a 30-acre South Sports Campus with the first stage scheduled for completion in 2018. Our College teams regularly win national sports titles across all major sports.





Academic Scholarships

Institute of Technology Carlow rewards high achieving students and offers academic scholarships for students entering their first year of college. This programme, which sees the Institute award one scholarship per course to the student who achieves the highest points in the Leaving Certificate, is now one of the most generous in the country. Find out more on our website: www.itcarlow.ie/academicscholarships

Sports Scholarships

Now in its 18th year, the Sports Scholarship Programme at the Institute of Technology Carlow offers a support pack and/or bursaries to students of exceptional sporting ability.

In 2016/17 the Institute awarded 73 Gold Sports Scholarships to students across a range of different sports disciplines. In addition, Institute of Technology Carlow recognised a further eight students as Elite Sports Scholars for their huge contribution to sport in Hurling, Basketball, Athletics, Rugby and Soccer. For more information visit: www.itcarlow.ie/sportsscholarships





High Performance Entry Scheme

Institute of Technology Carlow now has a High Performance Entry Scheme that will award up to 50 extra CAO points for students who excel outside the classroom in three key areas: Innovation / Entrepreneurship, Active Citizenship and Sport. Twelve places – four in each of the three categories – will be offered for the academic year 2017/2018. This is the only initiative of its kind in the country that specifically rewards aspiring third-level students for achievements in these three areas. Institute of Technology Carlow is the only institute of technology to offer performance points for excellence in sport.

The late closing date for the High Performance Entry Scheme is 1st July 2017. For further information on this scheme and application procedure visit:

www.itcarlow.ie

5

The President's Research Fellowship Programme

Institute of Technology Carlow offers an extensive range of postgraduate fellowships, valued at up to €25,000 to honours degree graduates. The initiative spans all of the major disciplines:

- Science and Bioscience;
- Business and Humanities;
- Computing;
- Sports and Rehabilitative Science and
- Engineering.

Institute of Technology Carlow has made significant recent investment in research. New facilities include a dedicated multi-million euro research centre (Dargan Centre) for post-graduate researchers. Students entering the Institute at undergraduate level will have a range of opportunities for postgraduate study at Master and Doctoral level through an expanding range of taught and research programmes.



Faculty of Engineering

The Faculty of Engineering offers a wide range of courses developed in close association with industry. These range from Civil Engineering and Architectural Technology to Electronics, Mechanical Engineering, TV and Media Production as well as our unique Aerospace Engineering degrees. The Institute offers learners excellent technological facilities, including its own aircraft hangar and fleet of aircraft, TV and radio studios, electronic laboratories, concrete and soil laboratories and architectural technology studios.



Electronic Engineering

Electronic Engineering develops the way electricity is used to control equipment. Electronic engineers continually improve the quality of our lives through the development of new equipment in the fields of medicine, communications, computing, security and entertainment. It is a challenging and creative profession and one which has brought us MP3 players, digital cameras, improved weather forecasting and

so many other things we now take for granted.

This programme combines theory and practical skills with 50% of class time spent on practical exercises in laboratories, workshops and the computing centre. Modules include: Electricity, Electronics, Engineering Science, Electronic Engineering Practice, Technical Communication, System Design and Test, Analogue and Digital Electronic Systems, System Design and Fabrication and Programmable Electronics. Students are set an extensive development project that requires use of acquired practical skills.

Civil Engineering

Civil engineering deals with the built environment and encompasses much of what defines modern civilization. Buildings and bridges are often the most conspicuous creations but this discipline is also responsible for roads, railways, subway systems, airports and water supply

systems. Civil engineering as a profession provides much of the infrastructure and essential services on which we depend for survival (further information is available on www.steps.ie).



This degree programme provides a blend of academic and practical training across all key civil engineering areas. Modules include: Civil Engineering Technology, Surveying, Physics and

Chemistry, Engineering Drawing, Quantity Surveying and Estimating, Water Engineering, Highway and Traffic Engineering, Environmental Engineering and more. The programme features a strong practical element with students frequently working in our specialised materials, hydraulic and environmental laboratories and workshops.

Faculty of Science

The Faculty of Science has a huge range of courses on offer in Science, Health and Computing including: Biosciences; Environmental Science; Physiology and Health; Sports Rehabilitation; Strength & Conditioning; Computer Games Development; Software Development, Computing and a new course in Cybercrime and IT Security. With state-of-the-art facilities and a strong reputation for research results, it ranks as one of the most expansive faculties of science in the country.



7



Cybercrime & IT Security

With ever-growing concern over the privacy and security of digital information, Cyber Security has become one of the fastest-growing sectors in the technology industry. Students undertaking the BSc in Cybercrime and IT Security study the fundamentals of both software development and network engineering.

This programme develops cybercrime and IT security graduates capable of identifying IT system vulnerabilities along with formulating strategies to enhance the security posture of organisations.

Brewing and Distilling

The four-year Bachelor of Science (Honours) in Brewing & Distilling is the first of its kind in Ireland and has been designed to support the brewing and distilling industry, which is a key growth sector and one undergoing a major renaissance. Successful brewing and distilling requires the application of both scientific and engineering principles.

This unique course equips students with the necessary scientific knowledge and instrumentation competencies to work in the brewing and distilling industry. Combined with modules in product development, marketing and regulatory affairs, graduates will be ideally qualified to work in these expanding industries. The programme incorporates an industry work placement in Year 3 and a research project in Year 4.



Faculty of Business and Humanities

Institute of Technology Carlow offers students an extensive range of Business and Humanities courses from Early Childhood Education to Law, Accountancy, Marketing, PR, Digital Media, Industrial Design and Specialist Sport Management and coaching degrees. Our business courses offer flexibility to transfer between specialities.



8



Common Entry System for Bachelor of Business (Honours)

Our 'Common Entry' system allows applicants to choose CEY (Common Entry) if they are undecided on their speciality when beginning their business course. They can then decide on their degree option (either BMT - Business Management, HRM - Human Resources Management, INT - International Business, SCM - Supply Chain Management, MKT - Marketing or FAC - Finance and Accounting) at the end of year 2.

BA (Honours) Youth and Community Work

Youth work supports the social and personal development of young people through non-formal participatory, empowering educational approaches.

This three-year honours course provides a professional qualification in youth and community work that is also recognised in the UK, Europe, Australia and Canada. Graduates typically work in the following areas: community development projects; youth clubs; neighbourhood youth projects; garda youth diversion projects; local drugs task force projects; youth mental health programmes.

Special Features

- Endorsed by NSETS – North South Education and Training Standards Committee for Youth Work.
- Focus on active learning, continuous assessment projects and the development of research skills.
- Students undertake two work placements of 14 weeks duration - one in Year 2 and one in Year 3. A dedicated supervised professional practice coordinator guides and supports students through this process.
- Wide variety of practitioner and academic guest lectures.





Wexford Campus

Institute of Technology Carlow's Wexford Campus offers Wexford and its surrounding counties an extensive range of full-time, part-time and fully funded programmes from level 6 right through to postgraduate level 9 on the National Framework of Qualifications (NFQ) in Agriculture, Computing, Business, Humanities and the Arts.

All programmes at the Wexford Campus feature small class sizes with excellent access to academic staff and practical real life learning. Work placements are offered on most full time programmes.

Could an exciting career in agriculture be for you? Our BSc (Honours) in Sustainable Farm Management and Agribusiness will help you get there.

Agribusiness is one of Ireland's most important indigenous industries, playing a vital role in Ireland's economy. As the sector continues to evolve, the sustainability of farm businesses requires a dynamic workforce to be at the heart of the management of the business.

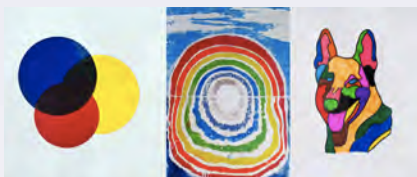


This degree programme offers students the opportunity to learn both the practical and academic skills that apply in the agricultural industry, from managing a farm to managing customers and clients. In the class room, students are exposed to a unique mix of business acumen and scientific principles. Students get the opportunity to put these learnings into practice through the 24 week work placement programme. The programme also provides the necessary training to allow students to qualify for Revenue SD2B stamp duty exemption and allows for career avenues into farm management, farm advisory and a range of agribusiness related careers.

BA (Honours) Art programme is unique to Wexford Campus

The degree in Art is a dynamic and distinguished programme. Students gain creative skills and knowledge, aesthetic awareness and professional experiences in contemporary visual art. The programme covers painting, sculpture, digital media, professional practice as well as art history, film studies and cultural studies. The programme focuses on learning by doing with students working on creative projects in a studio context, as well as in IT labs and traditional lectures.

Skills gained include professional methods of art making, creative risk-taking and experimentation, seeking and staging exhibition opportunities and a broad knowledge of the contemporary arts landscape. The programme equips students with the confidence and experience to operate as a professional artist or seek a career in the broader arts world and creative industries.





Institute of Technology Carlow – Ahead of the Game for Sport

Institute of Technology Carlow is the college of choice for many talented sports stars. It is therefore no coincidence that the 2016/2017 academic year was a very successful year for the Institutes Sports teams & athletes.

2016/2017 SPORTS AWARDS

Airsoft

Irish Colleges Airsoft IntersVarsity's Winners 2017

Athletics (IUAA Outdoor IntersVarsity Championships 2017)

Gold in Men's 4 x 100m in a time of 41.62secs setting a new 4 x 100m college's record.

(Marcus Lawler, Callan Byrne, Adam Murphy, Andrew Kelleher)

Gold for Marcus Lawler in Men's 200m

Silver for Callan Byrne in Men's 100m

Bronze for Barry Donovan in Men's 10,000m

Bronze for Dylan Purcell in Men's Pole Vault

Badminton

Student Sport Ireland (SSI) Badminton League Semi Finalist 2017

Basketball

Women's National League Division 1 Regular Season Champions 2016/2017

Promoted to Women's Super League for 2017/2018 Season

Women's NBCC Division 1 IntersVarsity Finalists 2017

Men's NBCC Division 1 League Semi Finalists 2016/2017

Boxing (IATBA – Irish Amateur Third Level Boxing Association IntersVarsity's)

5 All Ireland Colleges Titles 2017

(Jake McNally, Govnor Ogbonnaya, Stephen Gleeson, Eoghan Abbey Maher)

Camogie

CCAO Purcell Cup Semi Finalists 2017

Men's Gaelic Football

Sigerson Cup Quarter Finalists 2017

Hurling

Fitzgibbon Cup Finalists 2017

Division 1 All-Ireland Higher Education Hurling League Title (3 in a row)

Karting

Overall 6th Place team finish at the Student Sport Ireland (SSI) Karting League 2017

Evan Stapleton Overall 7th Place Individual finish at the Student Sport Ireland (SSI) Karting League

Pool

Student Sport Ireland (SSI) Pool League Division 1 Winners 2017 (First Colleges Div1 Pool Title)

Power Lifting

2 x All Ireland Colleges Titles 2017 (Mairead Murphy, Sean Greavy)

Overall 3rd Place Team finish (14 Colleges/Universities)

Men's Rugby

Student Sport Ireland (SSI) Fresher U20 O'Boyle Cup Winners 2016/2017

IRFU Student Sport Ireland (SSI) Brendan Johnston Cup Winners 2017

Soccer

Men's CFAI Umbro Cup Winners 2017 (6 in a row)

Women's WSCAI Futsal Cup Winners 2017 (2 in a row)

Other sports at the fore for the Institute include, Women's Rugby, Golf, Cricket, Volleyball, Ladies Gaelic Football, Airsoft and Archery.

This sporting success adds to Institute of Technology Carlow's reputation as a centre for sporting excellence. It also reflects the heavy investment in the development of first-class sports facilities and elite sports courses that attract the country's top athletes. The awarding of Elite and Gold Standard Sports Scholarships and our High Performance Entry scheme afford talented sports men and women the opportunity to compete at the highest level while pursuing excellent courses at the Institute.





A career in sport?

Sport Management and Coaching

This four-year honours degree course is the only one of its kind in Ireland and is delivered in association with the major sporting bodies including the Football Association of Ireland, Leinster GAA and Leinster Rugby. The Sport Management and Coaching programme develops students' skills and knowledge in equal measures between the student's chosen sport (GAA, Rugby or Soccer) and the business aspects of management and coaching.

Mandatory subjects over the life of the programme include: player development; coach education; anatomy and physiology; effective writing and research; sports management; finance; sponsorship and media management; performance analysis; nutrition and management and leadership. Students will normally have three business and three sports related modules which vary slightly, depending on the chosen sport.

Bachelor of Science (Honours) in Sport Science

Sport Science is the application of scientific principles to understand and enhance sport performance and health and well-being. This programme incorporates the core areas of Physiology, Psychology and Biomechanics but also includes other supplementary modules such as strength and conditioning, motor control, fitness testing, nutrition and performance analysis. Students undertake a 14 week placement in a variety of sport science areas nationally and internationally.

Graduates will be able to apply scientific and laboratory skills to assess fitness and health, design and implement training programmes and assess how training influences performance. This programme is suitable for anyone who is passionate about sport and science. For many people, it is the perfect way to combine their love for a particular sporting activity with an education and career in a related field.



Institute of Technology Carlow in the News

Institute of Technology Carlow's New Haughton Building Officially Opened by the Minister for Education and Skills

Another Step in the Implementation of a €150 million Capital Investment Programme

Minister for Education and Skills, Richard Bruton TD presided over the official opening of Institute of Technology Carlow's new €10 million teaching and learning centre, the Haughton Building in January 2017.



Institute of Technology Carlow's New Haughton Building Officially Opened by the Minister for Education and Skills

The new teaching and learning centre is the latest development in a larger €150 million capital investment programme at Institute of Technology Carlow that has already delivered the Centre for Aerospace Engineering in 2015, the Dargan Centre for Research and Innovation in 2014 and a multi-million Student Services and Sports Facilities Centre in 2012. Work has also begun on a 30-acre South Sports Campus with the first stage scheduled for completion in 2018. A further 42 acres have been acquired by the Institute for future growth in Carlow and Wexford.

The Haughton Building is named after Carlow-born James Haughton, the 19th century Irish social reformer and educational activist who championed many causes, including the abolition of slavery and female suffrage. It encompasses lecture theatres, computing laboratories, meeting and seminar facilities, all equipped with the most advanced technologies. It provides more than 1,000 formal learning and teaching spaces over three levels.

Students Win Big at Games Fleadh Computer Games Development students created a smart robot which defeated other competing colleges and universities during thirty robotic MMA style battles. The Institute's students also demonstrated computer game titles which won Visual Effects and Artificial Intelligence Engineering Awards. One team in particular created intellect bots to repair gameplay, helping a human player defeat all other human competitors. Dr. Oisín Cawley, who lectures in Artificial Intelligence at IT Carlow, set students the challenge of creating intelligence bots to play games without any human intervention.

The seven awards won are: Robocode Marshal Champions; Best in Visual Engineering; Best in Artificial Intelligence; Best in Gameplay; Best in Use of Cloud Technology; Best in Multiplayer; Games Studio Ireland Challenge (runners-up)

Commenting on this year's success, Dr. Cawley said, "Building intelligent systems in computer challenging environments such as games will yield discoveries which can also be applied in non-gaming domains, such as financial services, automotive, healthcare and utility industries. The concepts students learn, such as behaviour trees, fuzzy logic, or Artificial Neural Networks are universally applicable".



Raising a (Chequered) Flag For Engineering

Engineering students from the Department of Aerospace, Mechanical and Electronic Engineering at the Institute of Technology Carlow have raised the chequered flag on a Formula One-styled racing car which they hope will accelerate their future careers.



A team of mechanical engineering students have been hard at work building a racing car to take part in the UK's Formula Student - an international design competition. Teams of undergraduate and graduate students from colleges all over the world are required to plan, design, fabricate and construct a single seated Formula One style racing car. The event asks teams to produce a prototype and present it to a hypothetical manufacturing firm at Silverstone race track in the UK. Formula Student cars are capable of accelerating to 60 mph in three-and-a-half seconds.

Due to the complexity of the project, a number of sub-teams worked on different sections of the car. They included: chassis design, suspension; steering, drive train, bodywork, engine layout and tuning. Using industry computer aided design tools such as Solid works and Ansys, students were able to use the latest CNC and 3D printing technology in the construction of the car.

Fellow student Damilola Oketunji commented, "My takeaway from the project was the real world aspect. I spent a lot of time phoning up and emailing suppliers, arranging meetings and co-ordinating with the other members of the group. Being able to use 3D printing technology to test and validate our designs was critical to the success of the project".

Institute of Technology Carlow reaches Fitzgibbon Cup Final

Congratulations to our hurling team who reached its first Fitzgibbon Cup final this year. While Mary I retained the title in a thrilling match, we are very proud of the stellar performance of the team under DJ Carey, who never gave up throughout play, on what was a memorable day in Salthill.



"Sport is about enjoyment, we were beaten today but we gave it our very best and we've had a great run along the way," the nine-time All-Star said.

With a host of Laois players including Maher, Charles Dwyer and Enda Rowland, as well as Kerry Kevin Hannafin and Meath's Damian Healy, Institute of Technology Carlow had a strong representation from surrounding counties and Carey was delighted with their contributions as they look to go one better next year.

Graduates

Institute of Technology Carlow focuses on developing graduates with the skills and experience that employers need across the full spectrum of programmes. Industry work placement is a key part of the majority of programmes and the college has built up a strong collaborative relationship with national and international organisations to secure not only the best work placement opportunities, but the best employment opportunities, post-graduation.

Over 90% of IT Carlow graduates secure employment within the first six months of graduation. Graduates are working with leading national and global organisations including UNUM;SAP; Intel; Glanbia; Bord na Mona; Kerry Group; Microsoft; Bord Fáilte; Sisk; Irish Stock Exchange; Diageo; PwC, Facebook, Google, Nike, RTE, Bank of Ireland and many more.

14



Matthew Gerig, Software Engineer at UNUM Ireland
[Bachelor of Science \(Honours\) in Software Development](#)

"I was given a great opportunity to learn new skills and develop my experience in Software Engineering. The course was very well tailored to industry needs and the latest technological advancements and practices. I found that was really advantageous as I started my career."



Stephen Reid, Ryanair Maintenance Coordinator for Northern Europe
[Bachelor of Engineering Aircraft Systems](#)

"In 6th year I was unsure of what I wanted to do. I looked at the aircraft systems degree at Institute of Technology Carlow and spoke to some of the lecturers. I felt the degree offered something different to other colleges and I have not looked back since. Without completing my degree, I would not be working for the world's biggest airline."



Ross Elmes, Performance Analyst with FC Grenoble Rugby
[Bachelor of Science \(Honours\) in Sports Science](#)

"The course gave me a detailed understanding of various aspects of human performance. This allowed me find a particular area I wanted to specialise in. Institute of Technology Carlow also has top of the range equipment which is being utilised by professional rugby teams globally, including Video Analysis software. I believe it was my understanding of systems like this, which are not widely available, that strengthened my career opportunities. The staff were professional and friendly and the course gives students brilliant opportunities to travel for work. If I was back again choosing what course to complete, I would still choose BSc (Honours) Sport Science in Institute of Technology Carlow."



Patrick Doyle, Bouygues Energies & Services
Bachelor of Science (Honours) Facilities and Energy Management

"I have been offered a position with one of the biggest companies in the world in the area of facilities and energy management Bouygues Energies & Service. There were only three positions offered in the engineering role. I feel my course prepared me well for such a strenuous selection process and it was said to me in one of the interviews how impressed they were with my course."



Gary Sweeny, Performance Analyst with Manchester United FC
Bachelor of Arts (Honours) in Sport Management and Coaching

"The programme provides a good balance between sport and academic work while giving students an insight to what it would be like to work in a professional sports environment. During my time at Institute of Technology Carlow I was lucky enough to travel to the World University Games as the performance analyst for the men's football team on two occasions. This would not have been possible without the help from my lecturers while I was there."



Ultan Quirke, PwC
Bachelor of Business (Honours)

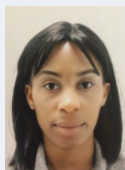
"The variety of subjects that were included in my course gave me a really wide range of skills and technical knowledge relevant to many different areas of business. When deciding the first steps of my graduate career I had a variety of possible directions open to me."



Lucy Gernon, QC Microbiology Lab Manager in MSD
Bachelor of Science (Honours) in Industrial Biology & MSc in Biotechnology

"I loved the ethos of the college and all my lecturers. There is a really great buzz about the institute and the energy and positive attitude and encouragement towards helping each student reach their full potential is abundant."

The course is very hands on with bench experiments, not just lectures, so not only is it more interactive but having this experience greatly helps gain employment in industry."



Cynthia Ogbonnaya, Project Coordinator, Fr Peter McVerry Trust
Bachelor of Arts (Honours) in Youth and Community Work

"I am happy that I chose to study Youth and Community Work. What stood out to me most was how close and accommodating the lecturers and other students were. I also really liked the placements. I genuinely believe that this course is a great foundation to start a career in this area. I am pleased to be in a career that works every day to advocate for young people and those disadvantaged in their community."

A SNAPSHOT OF STUDENT LIFE

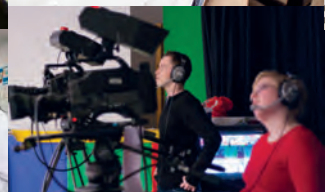
AT INSTITUTE OF TECHNOLOGY CARLOW

Institute of Technology Carlow is a lively, vibrant modern campus offering the best of educational, sporting and leisure facilities.

First Class IT Infrastructure and Campus Facilities

Our technologically advanced Learning Services Centre includes:

- 1,200 learner computer stations;
- Purpose built science, engineering and aeronautical laboratories;
- TV and radio studio;
- Aerospace centre;
- Product design suite;
- Games development suite.



Sporting Facilities

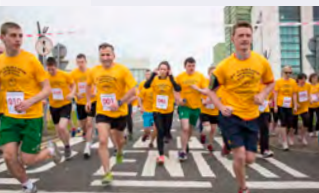
Institute of Technology Carlow is the centre for sporting excellence within the South East region. In continuing it's commitment to providing top class facilities, Institute of Technology Carlow recently announced the development of a new 30-acre South Sports Campus.



Institute of Technology Carlow Clubs and Societies

College years give students one of the best opportunities they will ever have to indulge their interests and try out new activities. Hundreds of students are involved in a variety of clubs as diverse as drama, soccer, cricket, music and basketball. Other students choose to join more relaxing pursuits such as swimming, yoga, hillwalking or pilates. Special interest activities and course-based societies such as Early Years, The DJ Society and Sign Language prove very popular every year and are an ideal way to further student's interests in an informal setting.

17



Student Services

The new purpose-built Student Services Centre houses a wide range of student supports, including: a Health Centre with full-time nursing service; Meditation Room; Access Service; Careers Service; Counselling Service, Games Area and Students' Union.



Institute of Technology Carlow CAO Courses for September 2017

18

CARLOW	Honours Bachelor Degrees - Level 8 (HD)					
Code	Title					
CW108	Science - Four Year					
	When you apply for Science you must select ONE of the following options: CEY, BPH, BRD or ENV.					
	CEY – Common Entry: Applicants undertake a range of subjects and can decide on their degree option at the end of first year. The Degree options are listed in the columns below.					
	BPH – Biopharmaceuticals		BRD – Brewing and Distilling		ENV – Environmental Science	
	Applicants who select a specific degree option (i.e. CW108 BPH, BRD or ENV) are guaranteed a place on that course subject to meeting the entry requirements and points. Applicants who are undecided on choices should choose CW108 CEY (Common Entry). All applicants may change their selection up to the end of year 1 and must confirm their specialism at that point.					
CW178	Sport Science - Four Year					
CW188	Sport Rehabilitation and Athletic Therapy - Four Year					
CW198	Strength and Conditioning - Four Year					
CW208	Computer Games Development - Four Year					
CW238	Software Development - Four Year					
CW248	Information Technology Management - Four Year					
CW258	Cybercrime and IT Security - Four Year					
CW438	Construction - Four Year					
	When you apply for Construction you must select ONE of the following options: CEY, QSY or FBS.					
	CEY – Common Entry: Applicants undertake a range of subjects and can decide on their degree option at the end of third year. The degree options are listed in the columns below.					
	QSY – Quantity Surveying			FBS – Facilities and Building Services Management		
	Applicants who select a specific degree option (i.e. CW438 QSY or FBS) are guaranteed a place on that course subject to meeting the entry requirements and points. Applicants who are undecided on choices should choose CW438 CEY (Common Entry). All applicants may change their selection up to the end of year 3 and must confirm their specialism at that point.					
CW468	Architectural Technology - Four Year					
CW478	Civil Engineering - Four Year					
CW548	Mechanical Engineering - Four Year					
CW558	Electronic Systems - Four Year					
CW568	Aerospace Engineering - Four Year					
CW578	TV and Media Production - Four Year					
CW708	Law (LLB) - Three Year					
CW728	Product Design Innovation - Four Year					
CW748	Early Childhood Education & Care - Three Year					
CW758	Applied Social Studies – Professional Social Care - Four Year					
CW788	Youth & Community Work - Three Year				Interview	
CW808	Media and Public Relations - Three Year					
CW858	Sport Management and Coaching (Options: GAA, Rugby, Soccer)- Four Year				Portfolio	
CW908	Business - Four Year					
	When you apply for Business you must select ONE of the following options CEY, BMT, HRM, INT, SCM, MKT or FAC.					
	CEY – Common Entry: Applicants undertake a range of subjects and can decide on their degree option at the end of second year. The degree options are listed in the columns below.					
	BMT Business Management	HRM Human Resource Management	INT International Business	SCM Supply Chain Management	MKT Marketing	FAC Finance and Accounting
	Applicants who select a specific degree option (i.e. CW908 BMT, HRM, INT, SCM, MKT or FAC) are guaranteed a place on that course subject to meeting the entry requirements and points. Applicants who are undecided on choices should choose CW908 CEY (Common Entry). All applicants may change their selection up to the end of year 2 and must confirm their specialism at that point.					
CW938	Business with Law - Four Year					
CW948	Accounting - Three Year					
CARLOW	Ordinary Bachelor Degrees - Level 7 (DG)					
Code	Title					
CW107	Analytical Science					
CW117	Biosciences					
CW207	Software Development					
CW217	Information Technology Management					
CW227	Cybercrime and IT Security					
CW407	Architectural Technology					

CARLOW	Ordinary Bachelor Degrees - Level 7 (DG)				
Code	Title				
CW417	Construction - Management with Building Services				
CW427	Civil Engineering				
CW507	Aircraft Systems				
CW517	Mechanical Engineering				
CW527	Electronic Engineering				
CW547	TV and Media Production				
CW707	Industrial Design				
CW717	Applied Social Studies - Professional Social Care				
CW807	Sports Coaching and Business Management (GAA)			Portfolio	
CW817	Sports Coaching and Business Management (Rugby)			Portfolio	
CW827	Sports Coaching and Business Management (Soccer)			Portfolio	
CW917	Business – When you apply for Business you must select ONE of the following options: CEY, BMT, HRM, INT, SCM or MKT.				
	CEY – Common Entry: Applicants undertake a range of subjects and can decide on their degree option at the end of second year. The Degree options are listed in the columns below.				
	BMT Business Management	HRM Human Resource Management	INT International Business	SCM Supply Chain Management	MKT Marketing
	Applicants who select a specific degree option (i.e. CW917 BMT, HRM, INT, SCM or MKT) are guaranteed a place on that course subject to meeting the entry requirements and points. Applicants who are undecided on choices should choose CW917 CEY (Common Entry). All applicants may change their selection up to the end of year 2 and must confirm their specialism at that point.				
CW927	Business Administration				

CARLOW	Higher Certificates - Level 6 (HC)				
Code	Title				
CW106	Physiology and Health Science				
CW116	Pharmacy Technician Studies				
CW126	Science - Applied Biology OR Applied Chemistry				
CW206	Computing (options: Applications OR Programming)				
CW416	Construction Technology				
CW706	Legal Studies				
CW906	Business Studies				
CW926	Business with Law				
CW936	Accounting				

WEXFORD	Honours Bachelor Degrees - Level 8 (HD)		
Code	Title		
CW018	Business - Four Year		
	When you select Business you must select ONE of the following options: CEY, BUS or DMK.		
	CEY – Common Entry: Applicants undertake a range of subjects and can decide on their degree option at the end of second year. The degree options are listed in the columns below.		
	BUS – Business		DMK – Digital Marketing
	Applicants who select a specific degree option (i.e. CW018 BUS or DMK) are guaranteed a place on that course subject to meeting the entry requirements and points. Applicants who are undecided on choices should choose CW018 CEY (Common Entry). All Applicants may change their selection up to the end of year 2 and must confirm their specialism at that point.		
CW028	Early Childhood Education and Care - Three Year		
CW038	Art - Four Year		Portfolio
CW068	Applied Social Studies – Professional Social Care - Four Year		
CW078	Sustainable Farm Management and Agribusiness - Four Year		
CW088	Visual Communications and Design - Four Year		
WEXFORD	Ordinary Bachelor Degrees - Level 7 (DG)		
CW017	Applied Social Studies – Professional Social Care		
CW027	Sustainable Farm Management and Agribusiness		
CW037	Business (Options: Business OR Digital Marketing)		
CW047	Visual Communications and Design		
CW057	Art		Portfolio
WEXFORD	Higher Certificates - Level 6 (HC)		
CW006	Business Studies		
CW046	Computing		

Institiúid Teicneolaíochta Cheatharlach



INSTITUTE of
TECHNOLOGY
CARLOW

At the Heart of South Leinster

*'Progress is impossible without change,
and those who cannot change their
minds cannot change anything'.*

George Bernard Shaw

The CAO online 'Change of Mind' facility closes on 1st July at 5:15pm.

You can use the online facility as many times as you like to add, remove or re-order your courses for no extra charge until the 1st July at 5:15pm.

- To change course choices, log in to your CAO Account via the 'My Application' facility and click on 'Add Level 8 Course Choices' or 'Add Level 7/6 Course Choices'.
- Use the 'New Courses' list to enter new courses, disregard existing course choices or re-order your existing course selection.
- You must list all of your courses in your order of preference on the new list.
- If you change courses online, an acknowledgement will be sent to your email address - please check this email carefully and inform CAO of any errors or omissions.
- You should also check that your courses have been updated by using the 'My Application' facility before 5:15pm on 1st July.

Institute of Technology Carlow
Kilkenny Road
Carlow
T: 059 917 5000
F: 059 917 5005
E: info@itcarlow.ie
www.itcarlow.ie

Institute of Technology Carlow
Wexford Campus
Summer Hill Road
Wexford
T: 053 918 5800
F: 053 918 5801
E: wexford@itcarlow.ie
www.wexfordcampus.ie



@ITCarlow



ITCarlow

www.itcarlow.ie

Log onto
www.itcarlow.ie/changeofmind
for more details.

