Open Days 2022

Waterford Campus
Thursday, 10 November
6.00pm - 8.00pm
Friday 11 November
10.00am - 2.00pm

Carlow Campus
Thursday, 27 October
10.00am - 2.00pm

Wexford Campus
Thursday, 17 November
10:00am - 2:00pm
### Undergraduate Courses

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**AQA:** All Qualified Applicants

**Disclaimer:** All courses and information listed are subject to change. Please see SETU.ie for updates.
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# South East Technological University

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** Entry through a combination of leaving cert points and portfolio.
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### Agriculture, Horticulture & Forestry

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### South East Technological University

**Undergraduate courses**

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Your college years are some of the most exciting of your life. You are embarking on a journey of discovery, finding out who you are and what you want to be in your life and in your future career. You will make new friends, find new talents and hobbies, learn new skills and importantly, take the first steps on your new career path.

This is also an exciting time to be considering studying in South East Technological University. SETU is Ireland’s newest technological university with huge ambitions and enthusiasm for our students and we are committed to making your time with us both productive and enjoyable.

SETU is a community of 18,000 students and 1,800 staff with a multi-campus presence in Carlow, Waterford and Wexford, offering an array of courses that span apprenticeships to PhDs.

As an undergraduate student in SETU, we offer you a dynamic learning experience with over 140 courses that incorporate work-based learning, student mobility, study abroad opportunities and a research-led curricula.

The staff ethos at SETU is one of our greatest strengths and our graduates tell us that the support of teaching staff is one of the most memorable parts of their time in college. Our staff are helpful, friendly and approachable and are ready to support you in reaching your education and training goals.

I would like to wish you every success in making your college and course choices. It is important to consider and reflect on what course and ultimately career is the right one for you and if we can do anything to assist you in that decision, please get in touch with our schools’ liaison and admissions teams.

Professor Veronica Campbell
SETU President

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Tá na blianta a chaitheann tú sa choláiste ar na blianta is spreagúla de do shaol. Tá tú ag tosú ar thuras ar a n-aíimsionn tú a lán rudal nua, ar a mbíonn tú ag fáil amach cé tú féin a cuideadh cad a bhiadh leat a dhéanamh i do shaol agus i do ghaíbhbhathacht amach anseo. Déanfaidh tú cairead nua, aímeoidh tú buanna agus caiteamh aimsire nua, foghlaimeoidh tú scileanna nua agus níos tábhachtach fós, tógfaidh tú na céimeanna tosaigh ar do shíl bheatha nua.

Is tráth spreagúil é seo freisin le bheith ag smaointeadh ar stáidéar a dhéanamh in Ollscoil Teicneolaíochta an Oirdheiscirt. Is í SETU an ollscoil teicneolaíochta is déanaí a bunaíodh in Éirinn, ollscoil a bhfuil pleananna móra agus diograis ollmhór aici dáir gcuaid mac léinn. Geallaimid a chinntiú go mbeidh torthaí go mbeidh orthu ar an am a chaitheomh duit agus go mbeidh sé taitneamhach freisin.

Is pobal 18,000 mac léinn agus 1,800 ball foirne é SETU. Tá láithreachtaí le-champais aici, i gClotharach, i bPorth Láirge agus i Loch Garman, ar a dtiarrgatar réimse cúrsaí idir príntíseachtaí agus dochtúireachtaí.

Mar mhac léinn fochtéime in SETU, cuirimid eispéireas foghlama dinimiciúil ar fáil duit le breis is 140 cúrsa a chuimsionn foghlaim obair-bhunaithe, soghluaisteachtaí mac léinn, deiseanna staidéirí thar leag agus curaclaim taisghe-bhunaithe. Tá éiteas na foirne ag SETU ar cheann de na láidreachtachtaí is mó atá agaínn agus insionn ár gcéimithe dúinn go bhfuil tacaíochta na foirne aigeasc ar cheann de na codanna is suntasaí dá gcuid ama sa choláiste. Tá á bhfoireann cabhrach, cairdiúil agus is éasc a dhuin cainte leo. Tá siad réidh chun tacaí leat do spriocanna odúcháis agus oiliúna a bhaint amach.

Guím gach rath ort agus do roghanna coláiste agus cúrsaí a ndéanamh a gach. Tá sé tábhachtach cúimhneamh agus macnachnaí a dhéanamh ar an gcúrsa atá cearr duit féin agus ar an ngairm bheatha a bheidh agat faoi dheireadh thiar. Más féidir linn aon rud a dhéanamh chun cabhrú leat agus an cinneadh seo á dhéanamh agat d'ean teagmháil lenár bhfoirne for-rochana agus iontrála le do thoil.

An tOllamh Veronica Campbell
Uachtarán SETU

---

South East Technological University  SETU
THE FIRST UNIVERSITY OF SOUTH EAST IRELAND
SOUTH EAST TECHNOLOGICAL UNIVERSITY (SETU) WAS ESTABLISHED ON 1 MAY 2022.

SETU combines the experience and expertise of the former institutes of technology at Carlow and Waterford, offering students in the south east the opportunity to study for a world class university degree on their own doorstep.

Our new university crest embodies our ethos, symbolising collaboration and connectedness. It represents pathways and connections into, through and beyond education. Multiple pathways radiate from a central ‘U’ shape collaborating to create ‘your’ university and reflecting the ‘student-centred’ ethos which is at the heart of everything we do.

With campuses in Waterford, Carlow and Wexford, the university brings together over fifty years of experience in higher education, research and innovation and offers an impressive range of more than 140 CAO courses in technology, business, engineering, the arts, humanities and sciences from higher certificate level, right through to PhD and postdoctoral awards.

Work placement is a key offering of many of SETU’s courses which together with opportunities to study abroad ensures the student experience is central to Ireland’s newest university.

We’re a regional university, with campuses for undergraduate and postgraduate study in Waterford, Carlow and Wexford, along with campuses for part-time courses in Wicklow, and research in Kilkenny.

SETU Campuses

Cork Road Campus, Waterford
College St. Campus, Waterford
Granary Campus, Waterford
Applied Technology Campus, Waterford
West Campus, Waterford
Kilkenny Road Campus, Carlow
South Sports Campus, Carlow
Summerhill Road Campus, Wexford
Hillstreet Campus, Wexford
Wicklow County Campus, Wicklow
Kilkenny Campus, Kilkenny
The Student Support Services team at SETU provide a range of student supports that are focused on helping students both during their transition to third level and throughout their time at SETU. They provide advice and support for students and act as a hub of resources, referrals, and information across the SETU community.

The support services also aim to make the University more accessible for those who traditionally may not have considered third level education as an option for them.

The supports and services provided includes:

- Academic Supports
- Access Supports
- Careers Development Centre
- Chaplaincy & Pastoral Care
- Clubs & Societies
- Disability Support Service
- Financial assistance for students who are experiencing financial hardship (e.g. Student Assistance Fund)
- Health and Wellbeing
- Information Sessions
- Peer Mentoring
- First Year Transition and Orientation
- Student Counselling
- Student Engagement and Retention Initiatives
- Student Volunteering Opportunities
HEAR Scheme
SETU is a participating member of the HEAR scheme, offering a number of reduced points course places to HEAR eligible applicants who, as a result of socio-economic disadvantage, have experienced additional educational challenges in second level education. HEAR is for school leavers under the age of 23 on 1st January in the year of entry, who are resident in the Republic of Ireland.

Mature and FET (Further Education and Training) students have their SETU admissions routes and should contact the University Admissions office for more information. Applications to HEAR can only be made online through the CAO.

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

DARE Programme
SETU is a member of the Disability Access Route to Education (DARE) 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

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

Carlow and Wexford Campuses:
www.setu.ie/studentsupportscw

Waterford Campus:
www.setu.ie/studentsupportswd

Support for Students with Disabilities
The Disability Support Service 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). In order to avail of supports, students must register with the disability office and provide evidence of disability. 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. For further information and appointments email:

Carlow and Wexford Campuses:
disabilityoffice.CW@setu.ie

Waterford Campus:
disabilityoffice.WD@setu.ie
Sport, Clubs and Societies

At the South East Technological University, Sport is an integral part of the culture. The role of the Sports Department at SETU is to create an inclusive environment that helps to support students and the wider community in pursuit of their health and wellbeing, competitive and performance sports goals and ambitions.

There is a huge diversity of activities to choose from with over 100 sports clubs and societies operating across the Carlow, Waterford and Wexford Campuses, catering for all standards from national and international athletes to the individual who would like to try a new activity, join a group, or increase their social circle while enjoying their time at SETU.

---

**Waterford Campus**

**Head of Sport**
Kate Kelly
kate.kelly@setu.ie

**Sports Manager**
Katie Redmond
katie.redmond@setu.ie

**Sport & Societies Manager**
Sean Geoghegan
sean.geoghegan@setu.ie

---

**Carlow Campus**

**Director of Sport**
Donal McNally
donal.mcnally@setu.ie

**Sports Supervisor**
Paula Hickey
paula.hickey@setu.ie

**Sports Officer**
Michael Walker
michael.walker@setu.ie

---

**Wexford Campus**

**Student Services**
Deirdre Frankis
deirdre.frankis@setu.ie

**Student Services**
Janet Lambert
janet.lambert@setu.ie
Schools’ Liaison Team

Open Days 2022
South East Technological University hosts a number of open days during the academic year on our campuses in Carlow, Waterford and Wexford, providing students the opportunity to explore the campuses and facilities and to meet with lecturers and current students. We understand that finding out information on all aspects of going to third level is important, whether it’s information on entry requirements, courses, student supports, scholarships, clubs and societies, our schools’ liaison team is available to give you advice and assistance to ensure you make the right decision.

<table>
<thead>
<tr>
<th>Campus</th>
<th>Date</th>
<th>Time</th>
</tr>
</thead>
<tbody>
<tr>
<td>Carlow Campus</td>
<td>Thursday, 27 October</td>
<td>10:00am - 2:00pm</td>
</tr>
<tr>
<td>Kilkenny Road</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Carlow</td>
<td>R93 V960</td>
<td></td>
</tr>
<tr>
<td>Waterford Campus</td>
<td>Thursday, 10 November</td>
<td>6:00pm - 8:00pm</td>
</tr>
<tr>
<td>Cork Road</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Waterford</td>
<td>X91 KOEK</td>
<td></td>
</tr>
<tr>
<td>Friday, 11 November</td>
<td>10:00am - 2:00pm</td>
<td></td>
</tr>
<tr>
<td>Wexford Campus</td>
<td>Thursday, 17 November</td>
<td>10:00am - 2:00pm</td>
</tr>
<tr>
<td>Summerhill Road</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Wexford</td>
<td>Y35 KA07</td>
<td></td>
</tr>
</tbody>
</table>
School Visits
School visits offer a wonderful opportunity to present details about our university, its courses, facilities and future developments to senior cycle students. To arrange a booking, please email one of our schools’ liaison officers below.

Campus Visits
Campus visits may be requested throughout the year to enable students to see the full range of facilities on each of our campuses. To book a campus visit, please email the relevant schools’ liaison officer at the particular campus.

Careers Fairs
The university participates in many career exhibitions within the region and nationally throughout the academic year. To arrange for a member of our schools’ liaison team to attend a careers fair, please get in touch with us. Contact details are listed below.

Key Contacts

Schools’ Liaison Officers

Alison Moore
Carlow Campus
T: 059 9175088
E: alison.moore@setu.ie

Jess Lawton
Waterford Campus
T: 051 845653
E: jess.lawton@setu.ie

Claire Holden
Waterford Campus
T: 051 845533
E: claire.holden@setu.ie

Denise Breen
Waterford Campus
T: 051 845534
E: denise.breen@setu.ie

Admissions Offices

Carlow and Wexford Campus
T: 059 9175174
E: admissions.cw@setu.ie

Waterford Campus
T: 051 845555
E: caoadmissions.wd@setu.ie
COMMON ENTRY
Business (Waterford)

<table>
<thead>
<tr>
<th>COURSE CODE</th>
<th>STREAMS</th>
<th>ENTRY REQUIREMENTS</th>
</tr>
</thead>
</table>

About the course
This four year full-time course offers you a broad range of business skills combined with a thorough knowledge of the financial and economic environment in which firms operate. The first two years are common and then you choose to specialise in one of the following five streams: Economics & Finance, HRM, Management, Accounting or Marketing, for the final two years.

Career opportunities
Graduates from this programme have gone on to pursue a wide variety of careers, including careers in marketing, human resource management, accounting, consulting, banking and finance. A graduate of this degree 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 multinational corporate.

Business — COMMON ENTRY Degree Options

- Economics & Finance
  BB (Honours) – NFQ Level 8

- Human Resource Management
  BB (Honours) – NFQ Level 8

- Management
  BB (Honours) – NFQ Level 8

- Accounting
  BB (Honours) – NFQ Level 8

- Marketing
  BB (Honours) – NFQ Level 8
# COMMON ENTRY — Bachelor of Business (Honours)

## Economics & Finance

**Year 1 Modules**

**Semester 1**
- Intro to Financial Accounting 1
- Microeconomics 1
- Intro to Statistics
- Organisational Behaviour
- Intro to Management
- One elective

**Semester 2**
- Intro to Financial Accounting 2
- Microeconomics 2
- Business & Financial Maths
- Human Resource Management
- Enterprise
- One elective

**About the course**

The Economics and Finance stream on the BBS (Honours) programme provides students with the opportunity to specialise in Economics and Finance for the final two years of 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 SETU 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. Students are given the opportunity of testing theories on real-world data.

**Career opportunities**

- Economic Policy Advisory Services
- Derivatives Trader
- Investment Analyst
- Policy Analyst
- Teaching
- Derivatives Trader
- Senior Custody Administrator
- Policy, investment or claims analyst
- Relationship Banker
- Underwriter.

**Professional Body Exemptions**

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

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# COMMON ENTRY — Bachelor of Business (Honours)

## Human Resource Management

**Year 1 Modules**

**Semester 1**
- Intro to Financial Accounting 1
- Microeconomics 1
- Intro to Statistics
- Organisational Behaviour
- Intro to Management
- One elective

**Semester 2**
- Intro to Financial Accounting 2
- Microeconomics 2
- Business & Financial Maths
- Human Resource Management
- Enterprise
- One elective

**About the course**

The Human Resource Management 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 strategic competencies.

**Career opportunities**

- HR Administrators
- HR Generalists and HR Managers
- Recruitment Consultants
- Trainers and Training
- Development Managers
- Benefits Managers
- HR Consultants - Health and Safety Officer
- Teaching.

---

**About the course**

The Human Resource Management 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 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 strategic competencies.

**Career opportunities**

- HR Administrators
- HR Generalists and HR Managers
- Recruitment Consultants
- Trainers and Training
- Development Managers
- Benefits Managers
- HR Consultants - Health and Safety Officer
- Teaching.

**Professional Body Exemptions**

- CIPD (Chartered Institute of Personnel & Development)
- IITD (Irish Institute of Training and Development).
## COMMON ENTRY — Bachelor of Business (Honours)

### Management

**COURSE CODE**  
SE400

**LOCATION**  
Waterford

**CAO POINTS 2021**  
Round 1: 279

**COMMON ENTRY ROUTE**  
SE400 (Level 8) Business (Common Entry)

**PROGRAMME DIRECTOR**  
Ann Marie Kelly  
MBS  
E: annmarie.kelly@setu.ie

**Course Code**  
SE400 Waterford

**Course Duration**  
4 YEARS

**About the course**
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.

**Career opportunities**
- Teaching
- Business Analyst
- Project Manager
- Customer Relations Manager
- Financial Planner
- Business Operations Manager
- Business Development Manager
- Small Business Owner
- Procurement/Product/Quality/Supply Chain Manager.

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

**Year 1 Modules**

**Semester 1**  
- Intro to Financial Accounting 1  
- Microeconomics 1  
- Intro to Statistics  
- Organisational Behaviour  
- Intro to Management  
- One elective

**Semester 2**  
- Intro to Financial Accounting 2  
- Microeconomics 2  
- Business & Financial Maths  
- Human Resource Management  
- Enterprise  
- One elective

**CREDIT** Students can study a language, Irish, French, Spanish, Chinese or German

### Accounting

**COURSE CODE**  
SE400

**LOCATION**  
Waterford

**CAO POINTS 2021**  
Round 1: 279

**COMMON ENTRY ROUTE**  
SE400 (Level 8) Business (Common Entry)

**PROGRAMME DIRECTOR**  
Dr Chris O’Riordan  
PhD  
E: chris.oriordan@setu.ie

**Course Code**  
SE400 Waterford

**Course Duration**  
4 YEARS

**About the course**
The Accounting degree course prepares students mainly for careers in accountancy, but can also provide graduates with opportunities in financial services and teaching.

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.

**Career opportunities**
Graduates of the BBS (Honours) 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.

**Year 1 Modules**

**Semester 1**  
- Intro to Financial Accounting 1  
- Microeconomics 1  
- Intro to Statistics  
- Organisational Behaviour  
- Intro to Management  
- One elective

**Semester 2**  
- Intro to Financial Accounting 2  
- Microeconomics 2  
- Business & Financial Maths  
- Human Resource Management  
- Enterprise  
- One elective

**CREDIT** Students can study a language, Irish, French, Spanish, Chinese or German
COMMON ENTRY — Bachelor of Business (Honours)  
Marketing

**About the course**
The Bachelor of Business (Honours) 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).

**Career opportunities**
- Advertising
- Brand Management and Digital Branding
- Digital Marketing
- Marketing Research
- Sports Sponsorship
- Sales Management
- Customer Relationship Management
- Marketing Communications and Public Relations
- Teaching
- International Marketing Management.

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

**COURSE DURATION**
- 3 YEARS

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Bachelor of Business  
Business

**About the course**
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.

**Career opportunities**
- Trainee management
- Junior management in any of the main business functions and across all industry and services sectors
- Progress to other courses such as Bachelor of Business (Hons) Year 4.
**COMMON ENTRY**

**Business (Carlow)**

<table>
<thead>
<tr>
<th>COURSE CODES</th>
<th>STREAMS</th>
<th>ENTRY REQUIREMENTS</th>
</tr>
</thead>
<tbody>
<tr>
<td>SE401 (Level 8)</td>
<td>Marketing</td>
<td>Level 8: 2 subjects: H5</td>
</tr>
<tr>
<td>SE414 (Level 7)</td>
<td>International Business</td>
<td>4 subjects: O6/H7</td>
</tr>
<tr>
<td></td>
<td>Supply Chain Management</td>
<td>English or Irish: O6/H7</td>
</tr>
<tr>
<td></td>
<td>Business Management</td>
<td>Mathematics: O6/H7</td>
</tr>
<tr>
<td></td>
<td>Human Resource Management (Level 8)</td>
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<tr>
<td></td>
<td>Finance &amp; Accounting</td>
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</tr>
</tbody>
</table>

**Level 7:** 5 subjects: O6/H7

**About the course**

A common entry course is a popular choice for students who have an interest in a discipline but are unsure of what career path they would like to follow. Common entry courses allow students to study a broad range of subjects initially and then choose their preferred specialist area after two years. The advantage of this course type is that it allows students more time to discover the subjects in which they are most interested.

**Career opportunities**

Bachelor of Business (Honours) and Bachelor of Business courses equip students with a broad business skill-base, ensuring graduates will have a wide range of career options. The first two years of this course provide students with a foundation in business, and subjects are common for all students. This allows students time to explore the future career choices open to graduates in the different specialism streams. Expert guidance will be available from lecturing staff and ultimate choices can then be considered in light of academic performance across a range of business subject areas. After two years, students choose their preferred stream of study.

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**Business — COMMON ENTRY Degree Options**

- **Marketing**
  - BB (Honours) and BB – NFQ Level 8 & 7

- **International Business**
  - BB (Honours) and BB – NFQ Level 8 & 7

- **Supply Chain Management**
  - BB (Honours) and BB – NFQ Level 8 & 7

- **Business Management**
  - BB (Honours) and BB – NFQ Level 8 & 7

- **Human Resource Management**
  - BB (Honours) and BB – NFQ Level 8 & 7

- **Finance & Accounting**
  - BB (Honours) – NFQ Level 8

**Follow on Study**

- Postgraduate Study — MBA, MA or PhD
**COMMON ENTRY — Bachelor of Business (Honours) or Bachelor of Business Marketing**

<table>
<thead>
<tr>
<th>Year 1 Modules</th>
<th>Semester 1</th>
<th>IT for Business</th>
<th>Financial Accounting 1</th>
<th>Quantitative Techniques 1</th>
<th>Microeconomics</th>
<th>Plus One Elective*</th>
</tr>
</thead>
<tbody>
<tr>
<td>Semester 2</td>
<td>Management</td>
<td>Financial Accounting 2</td>
<td>Quantitative Techniques 2</td>
<td>Macroeconomics</td>
<td>Plus One Elective*</td>
<td></td>
</tr>
</tbody>
</table>

* The full list of each semester’s elective subject options is available on the relevant course page of our website.

**About the course**
Marketing is the management process through which goods and services move from concept to the customer. It includes diverse disciplines such as: sales; public relations; brand design; customer psychology; market research; pricing; packaging and distribution. Marketing is practiced around the world in every type of organisation, and involves key skills such as presenting, time management and communication.

**Career opportunities**
A marketing degree equips graduates with the skill set to pursue a variety of careers in: new product innovation; digital marketing; brand management; market research; consumer behaviour; services marketing; international marketing and sales.

**COMMON ENTRY — Bachelor of Business (Honours) or Bachelor of Business International Business**

<table>
<thead>
<tr>
<th>Year 1 Modules</th>
<th>Semester 1</th>
<th>IT for Business</th>
<th>Financial Accounting 1</th>
<th>Quantitative Techniques 1</th>
<th>Microeconomics</th>
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</tr>
</thead>
<tbody>
<tr>
<td>Semester 2</td>
<td>Management</td>
<td>Financial Accounting 2</td>
<td>Quantitative Techniques 2</td>
<td>Macroeconomics</td>
<td>Plus One Elective*</td>
<td></td>
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</tbody>
</table>

* The full list of each semester’s elective subject options is available on the relevant course page of our website.

**About the course**
Culture, language, political systems, geography, finance and socio-economic factors all shape and influence business and must be understood by organisations wishing to operate in a global marketplace.

An international business degree equips students with the skills to manage people, diversity in culture, and ways of conducting business in a diverse marketplace.

**Career opportunities**
An international business degree enables graduates to embark on a career path with plenty of flexibility and variety.

Graduates of this course will have excellent employment opportunities with global organisations and with domestic companies with international importing and exporting operations. Typical roles include international marketing, sales management and customer service management. Many graduates start their careers with the domestic operations of an organisation and then progress to managing and co-ordinating their global operations.
**COMMON ENTRY — Bachelor of Business (Honours) or Bachelor of Business**

**Supply Chain Management**

<table>
<thead>
<tr>
<th>COURSE CODE</th>
<th>LOCATION</th>
<th>CAO POINTS 2021</th>
<th>ENTRY ROUTES</th>
<th>PROGRAMME DIRECTOR</th>
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<tr>
<td>SE401 (Level 8)</td>
<td>Carlow</td>
<td>L8: 272 L7: 228</td>
<td>SE401 (Level 8) or SE414 (Level 7) Business (Common Entry)</td>
<td>Larry Banville HDip Ed E: <a href="mailto:larry.banville@setu.ie">larry.banville@setu.ie</a></td>
</tr>
<tr>
<td>SE414 (Level 7)</td>
<td>Carlow</td>
<td>COURSE DURATION L8: 4 YEARS L7: 3 YEARS</td>
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</tr>
</tbody>
</table>

**About the course**
Supply Chain is the management of any combination of processes, functions, activities, relationships, and pathways along which products, services, information, and financial transactions move in and between enterprises. It also involves any, and all, movement of these from original producer to the ultimate end-user or consumer. Doing all of the above in a sustainable and environmentally friendly way is now a key supply chain consideration.

**Career opportunities**
Graduates of this course will find career opportunities with many sectors in a variety of roles including: Supply Chain Manager; Operations Manager; Retail Manager, Distribution Manager; Procurement Manager; Logistics Manager and Consultancy.

Supply Chain is at the forefront of the Internet of Things and therefore presents many opportunities for those with an interest in technology.

**Year 1 Modules**
- Semester 1
  - IT for Business
  - Financial Accounting 1
  - Quantitative Techniques 1
  - Microeconomics
  - Plus One Elective*
- Semester 2
  - Management
  - Financial Accounting 2
  - Quantitative Techniques 2
  - Macroeconomics
  - Plus One Elective*

* The full list of each semester’s elective subject options is available on the relevant course page of our website.

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**COMMON ENTRY — Bachelor of Business (Honours) or Bachelor of Business**

**Business Management**

<table>
<thead>
<tr>
<th>COURSE CODE</th>
<th>LOCATION</th>
<th>CAO POINTS 2021</th>
<th>ENTRY ROUTES</th>
<th>PROGRAMME DIRECTOR</th>
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</thead>
<tbody>
<tr>
<td>SE401 (Level 8)</td>
<td>Carlow</td>
<td>L8: 272 L7: 228</td>
<td>SE401 (Level 8) or SE414 (Level 7) Business (Common Entry)</td>
<td>Dr Martin Meagher DHAE E: <a href="mailto:martin.meagher@setu.ie">martin.meagher@setu.ie</a></td>
</tr>
<tr>
<td>SE414 (Level 7)</td>
<td>Carlow</td>
<td>COURSE DURATION L8: 4 YEARS L7: 3 YEARS</td>
<td></td>
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</tbody>
</table>

**About the course**
Business touches almost every aspect of modern human society and careers in business are diverse and often highly paid.

In the Business Management option, Year 3 students study specialist subjects in more detail, including: business research methods; organisational behaviour; operations management; business finance and international business. Additional specialist subjects can be chosen, depending on the student’s area of interest.

**Career opportunities**
Graduates will be equipped with the knowledge, skills and competencies demanded in a modern business environment.

Career opportunities include: the creative world of advertising and design; the commercial world of sales and building market share; the technological side of web design, SEO and SEM, and the analytical use of data to devise successful marketing strategies.

**Year 1 Modules**
- Semester 1
  - IT for Business
  - Financial Accounting 1
  - Quantitative Techniques 1
  - Microeconomics
  - Plus One Elective*
- Semester 2
  - Management
  - Financial Accounting 2
  - Quantitative Techniques 2
  - Macroeconomics
  - Plus One Elective*

* The full list of each semester’s elective subject options is available on the relevant course page of our website.
**COMMON ENTRY — Bachelor of Business (Honours) or Bachelor of Business**

**Human Resource Management**

**ENTRY ROUTES**
- SE401 (Level 8) or SE414 (Level 7)
- Business (Common Entry)

**CAO POINTS 2021**
- L8: 272  L7: 228

**LOCATION**
- Carlow

**COURSE CODE**
- SE401 (Level 8)

**COURSE DURATION**
- L8: 4 YEARS
- L7: 3 YEARS

**Programme Director**
- Dr John Trehy
  - PhD
  - Email: john.trehy@setu.ie

**Year 1 Modules**

**Semester 1**
- IT for Business
- Financial Accounting 1
- Quantitative Techniques 1
- Microeconomics
- Plus One Elective*

**Semester 2**
- Management
- Financial Accounting 2
- Quantitative Techniques 2
- Macroeconomics
- Plus One Elective*

*The full list of each semester’s elective subject options is available on the relevant course page of our website.

**About the course**

Human Resource Management (HRM), is the function within an organisation that focuses on managing people. The objective is having the right people in the right place at the right time. The HRM function deals with recruiting and selecting employees, appraising their performance, deciding what rewards are appropriate, providing suitable training and development opportunities, and providing mechanisms for reducing and avoiding conflicts.

Managing people is challenging and the course assists with building a work environment where employees are more motivated.

**Career opportunities**

A business degree in HRM is internationally recognised and offers a passport for graduates to work globally. Careers in HRM include: generic HR management, specialist HR roles such as HR recruitment; training and learning coordinator; talent manager; HR leadership; organisational and change coordinator. Graduates may find employment in the private or public sector across all industries including: banking; education; retail and manufacturing.

**COMMON ENTRY — Bachelor of Business (Honours)**

**Finance & Accounting**

**ENTRY ROUTE**
- SE401 (Level 8)
- Business (Common Entry)

**CAO POINTS 2021**
- Round 1: 272

**LOCATION**
- Carlow

**COURSE CODE**
- SE401

**COURSE DURATION**
- 4 YEARS

**Programme Director**
- Ms Tracy Byrne
  - MSc
  - Email: tracy.byrne@setu.ie

**Year 1 Modules**

**Semester 1**
- IT for Business
- Business Financial Accounting 1
- Quantitative Techniques 1
- Microeconomics
- Plus One Elective*

**Semester 2**
- Management
- Business Financial Accounting 2
- Quantitative Techniques 2
- Macroeconomics
- Plus One Elective*

*The full list of each semester’s elective subject options is available on the relevant course page of our website.

**About the course**

Accounting focuses on the day-to-day management of financial reports and records, while finance uses this same information to project future growth and to analyse expenditure in order to strategise company finances.

Combining these areas gives an overview of financial strategy and control, while providing focus on professional principles and processes used in order to manage numbers.

**Career opportunities**

Graduates will be equipped to work in the areas of:
- Chartered Accountant
- Chartered Certified Accountant
- Chartered Management Accountant
- Certified Public Accountant
- Investment Banker
- Retail Banker
- Tax Adviser.
# COMMON ENTRY
## Business (Wexford)

<table>
<thead>
<tr>
<th>COURSE CODES</th>
<th>STREAMS</th>
<th>ENTRY REQUIREMENTS</th>
</tr>
</thead>
</table>

### About the course
Our Bachelor of Business (Honours) and Bachelor of Business courses equip students with a broad business skill-base, ensuring graduates will have a wide range of career options. The first two years of this course provide students with a foundation in business which allows students time to explore key subjects and future career choices open to graduates in the different specialism streams. After two years, students separate into one of the two streams of study.

### Career Opportunities
Graduates gain employment in financial services, including the funds sector, management roles in retail, marketing and administration as well as business computing. Graduates of the digital stream have specialised digital marketing skills.
**COMMON ENTRY — Bachelor of Business (Honours) or Bachelor of Business Business**

**ENTRY ROUTES**
- SE402 (Level 8) or SE416 (Level 7)
- Bachelor of Business (Common Entry)

**About the course**
This course is structured around four key pillars - management, finance and economics, business technology and marketing - with opportunities to explore areas of interest from Year 3. The course aims to enable graduates to work as part of a team, engaging in applied research projects, combining creativity, innovation and strategic thinking.

**Career opportunities**
The course aims to produce graduates who can undertake roles in the areas of enterprise development, financial services, education, public sector, financial management, accountancy, marketing (including digital marketing/analytics).

Alternatively, graduates can pursue a range of Level 9 Masters Programmes or professional qualifications, such as accountancy.

**ENTRY ROUTES**
- SE402 (Level 8) or SE416 (Level 7)
- Bachelor of Business (Common Entry)

**About the course**
The discipline of marketing is going through deep changes because of technology disruption. This change has borne new roles and areas of expertise collectively known as 'Digital Marketing'. Organisations are adapting across the marketing lifecycle, in product conception to development, in advertising to selling and aftersales.

**Career opportunities**
Graduates of this course are suited to all areas of business and management that apply to graduates of our standard business degree.

Graduates with the digital marketing specialism have career opportunities in digital marketing, social media marketing, digital product management, online sales, online customer experience (CX), user experience (UX), digital advertising, search advertising and search engine optimisation.
Higher Certificate in Business

About the course
The Higher Certificate in Business equips students with a broad skill-base, ensuring graduates will have a wide range of career options. The course covers core subjects including: Financial Accounting; Economics; Management; Business Applications; Human Resources; Marketing and Business Law.

The Higher Certificate in Business is available on all three SETU campuses.

Please note, there are some variations in the modules of the certificate on each campus.

Career opportunities
• Trainee management
• Junior management in any of the main business functions and across all industry and services sectors
• Graduates can progress to study other academic degree courses.

Year 1 Modules
See full list of modules by scanning the QR codes for each location.

Bachelor of Arts (Honours)
Accounting

About the course
Accounting is a vital part of any organisation’s operations. Accountants provide essential information and advice to help a business make the right financial decisions.

Accounting careers typically involve analysing and utilising financial information to evaluate a business’s financial position. This can involve anything from basic bookkeeping to managing income statements and statements of financial position.

Career opportunities
Graduates may take professional accountancy exams and qualify as a professional accountant. This course attracts generous exemptions from Chartered Accountants Ireland (CAI), the Association of Certified Chartered Accountants (ACCA), the Chartered Institute of Management Accountants (CIMA) and the Institute of Certified Public Accountants in Ireland (CPA). Many graduates also find employment in the financial services sectors such as banking, insurance, financial analysis, and fund management.

Year 1 Modules
See full list of modules by scanning the QR codes for each location.
Bachelor of Arts (Honours) Accounting

Year 1 Modules

Semester 1
Intro to Financial Accounting 1
Intro to Management
Microeconomics 1
Costing
Professional Written Communication
Statistics & Mathematics

Semester 2
Intro to Financial Accounting 2
Microeconomics 2
Management Accounting Techniques
IT Skills for Accountants
HRM in a Business Environment Organisational Behaviour

About the course
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.

The course attracts extensive exemptions from Charted Accountants Ireland (ACA), the Association of Chartered Certified Accountants (ACCA), the Chartered Institute of Management Accountants (CIMA), and Certified Public Accountants (CPA) Ireland.

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.

Higher Certificate in Business Accounting

Year 1 Modules

Semester 1
Essential Financial Accounting 1
Microeconomics
Quantitative Techniques 1
Intro to Management Theory
IT for Business

Semester 2
Essential Financial Accounting 2
Macroeconomics
Quantitative Techniques 2
Management in Action
Business Law for Accountants

About the course
Accounting is a vital part of any organisation's operations. Accountants provide essential information and professional advice allowing business owners to make the right financial and business decisions.

Accounting careers typically involve analysing and utilising financial information to evaluate a business's financial position.

Career opportunities
Graduates can expect to work in junior accounting positions in a variety of sectors including accounting practices, industry, financial services and the public sector.

To pursue a career in accounting, graduates may progress to Year 3 of BBus (Honours) in Finance and Accounting (SE401).

Alternatively, students may choose to take further studies in business and progress to Year 3 of the BBus (Honours) (SE401) and choose a specialist area.
### Bachelor of Arts (Honours)

**Marketing & Digital Media**

<table>
<thead>
<tr>
<th>COURSE CODE</th>
<th>LOCATION</th>
<th>CAO POINTS 2021</th>
<th>ENTRY REQUIREMENTS</th>
<th>PROGRAMME DIRECTOR</th>
</tr>
</thead>
</table>

**About the course**

Marketing and Digital Media focuses on how businesses communicate directly with customers using websites, mobile phone apps and social media. The course encompasses all the social media platforms that connect organisations to customers, as they strive to meet changing customer needs.

The BA (Hons) in Marketing & Digital Media prepares students for employment in Digital Marketing roles.

**Career opportunities**

The career opportunities are many and varied and these would include social media marketing, digital marketing, advertising, sponsorship, public relations, web design and development, marketing research, brand management, sales, purchasing and direct marketing.

**Year 1 Modules**

**Semester 1**
- Digital Media 1
- IT & Communication Skills 1
- Principles of Marketing
- Intro to Management
- Intro to Statistics
- Market Pricing

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

### Bachelor of Science (Honours)

**Digital Marketing with Analytics**

<table>
<thead>
<tr>
<th>COURSE CODE</th>
<th>LOCATION</th>
<th>CAO POINTS 2021</th>
<th>ENTRY REQUIREMENTS</th>
<th>PROGRAMME DIRECTOR</th>
</tr>
</thead>
</table>

**About the course**

This course allows students to explore the customer and commercial focus of marketing, the creativity of design and digital technology, and the analytical world of data, all of which are essential to successful marketing. The course will develop creative and problem solving skills.

An emphasis on professional practice, client company projects and a semester-long work placement or study abroad option provides a stimulating learning environment.

**Career opportunities**

Digital Marketing is essential in: entrepreneurial start-ups and high-tech multinationals; sporting governing bodies and charitable not-for-profits; private industry and public services.

Careers include: the creative world of advertising and design, the commercial world of sales, the technological side of web design and SEO, and the analytical use of data to devise successful marketing strategies.

**Year 1 Modules**

**Semester 1**
- Information Technology
- Professional Writing & Research in the Digital Age
- Intro to Digital Marketing
- Fundamentals of Marketing
- Intro to Digital Media Design

**Semester 2**
- Intro to Data Analysis for Digital Marketing
- Intro to Finance for Marketing
- Social Media Marketing
- Contemporary Marketing Practice
- Creative Digital Media
Bachelor of Science
Digital Marketing with Analytics

About the course
This course allows students to explore the customer and commercial focus of marketing, the creativity of design and digital technology, and the analytical world of data, all of which are essential to successful marketing.

An emphasis on professional practice, client company projects and a semester-long work placement or study abroad option provides a stimulating learning environment.

Career opportunities
Digital Marketing is essential in: entrepreneurial start-ups and high-tech multinationals; sporting governing bodies and charitable not-for-profits; private industry and public services.

Careers include: the creative world of advertising and design, the commercial world of sales, the technological side of web design and SEO, and the analytical use of data to devise successful marketing strategies.

Bachelor of Arts (Honours)
International Business

About the course
The BA (Honours) 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 work effectively in a multicultural world. The third year of the programme involves a mandatory International Placement.

Career opportunities
Graduates from this programme have gone on to pursue a wide variety of careers, including careers in marketing, human resources, accounting, consulting, teaching, banking and finance.

Graduates are suited to the demands of both multinational, and small and medium-sized enterprises.

Double degree
The BA (Hons) in International Business has 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 in Munich, before returning to complete their final year in SETU.
Bachelor of Business (Honours)
Business Information Systems (BIS)

About the course
Digital transformation connects technologies to create business value including IoT, AI, ML, Data Analytics and Visualization, DLTs and Cloud Computing.

Digital transformation is at the core of the four year BIS degree, developing graduates with high-level technology skills and business knowledge which can be applied across all industry sectors in Ireland and internationally.

Career opportunities
BIS graduates are highly prized and highly remunerated by employers globally.

Career paths across all industries include: Business Analyst, Systems Analyst, Programmer, Project Manager, Data Analytics, Financial Analytics, Web Development, Blockchain and Distributed Ledger Technologies, IT Support and Administration, Disruptive Business Modelling, and Business IT/Management Consultancy.

Year 1 Modules
Semester 1
Programming for BIS Professionals 1
Business Information Systems
Business Research & Communication Skills
Intro to Management
Intro to Statistics
Intro to Financial Accounting 1

Semester 2
Programming for BIS Professionals 2
Intro to Financial Accounting 2
Business & Financial Maths
Enterprise
Intro to Web Design
Business Systems Analysis

Bachelor of Science
Fashion Buying & Retail Management

About the course
The BSc in Fashion Buying & Retail Management is a full-time three year degree programme, combining class-based training with practical assignments.

Throughout the course, students study fashion buying, fashion retailing ecommerce and excel along with general business subjects and retail management modules. The course features work placement and an international field trip to a fashion capital.

Career opportunities
• Fashion Buyer
• Fashion Retail Manager
• All Retail Managerial positions
• Fashion Influencer
• Visual Merchandising
• Merchandising roles in Buying
• Office Logistics
• Sales/key account Manager Roles
• Office Manager.

Year 1 Modules
Semester 1
Intro to Fashion Buying & Retail Management
The Fashion Retail Manager
Personal, Professional and Academic Skills 1
Excel
Market Pricing for Retail & Services

Semester 2
Retail Marketing
Personal, Professional & Academic Skills 2
Retail Consumer
Macro Business Environment
Statistics and Data Analytics
Bachelor of Business (Honours)  
**Business with Law**

**Programme Director**  
Dr Martin Meagher  
DHAE  
E: martin.meagher@setu.ie

**Entry Requirements**  
- 2 subjects: H5  
- 4 subjects: O6/H7  
- English or Irish: O6/H7  
- Mathematics: O6/H7

**CAO Points 2021**  
Round 1: 270

**Location**  
Carlow

**Course Code**  
SE403

**Course Duration**  
4 years

**Year 1 Modules**

**Semester 1**  
- IT for Business  
- Financial Accounting 1  
- Quantitative Techniques 1  
- Microeconomics  
- Irish Legal System 1

**Semester 2**  
- Intro to Law & Legal Research  
- Financial Accounting 2  
- Quantitative Techniques 2  
- Macroeconomics  
- Irish Legal System 2

**About the Course**

Historically, the disciplines of business and law have been closely associated. In the global economy, businesses deal with complex issues concerning government regulations and international trade policies.

Equally, the law has to contend with constantly evolving commercial organisations and business practices. With the expansion of the legal profession into areas of mergers and taxation, the skills of business and legal graduates have merged in many aspects.

**Career Opportunities**

Graduates will be qualified to work as fully-trained legal executives or can also pursue careers in law, banking stockbroking, politics, lecturing, journalism, property management, taxation, accounting and many other areas.

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**Higher Certificate in Business**  
**Business with Law**

**Programme Director**  
Dr Martin Meagher  
DHAE  
E: martin.meagher@setu.ie

**Entry Requirements**  
- 5 subjects: O6/H7  
- English or Irish: O6/H7  
- Mathematics: O6/H7

**CAO Points 2021**  
Round 1: 204

**Location**  
Carlow

**Course Code**  
SE421

**Course Duration**  
2 years

**Year 1 Modules**

**Semester 1**  
- IT for Business  
- Financial Accounting 1  
- Quantitative Techniques 1  
- Microeconomics  
- Irish Legal System 1

**Semester 2**  
- Intro to Law & Legal Research  
- Financial Accounting 2  
- Quantitative Techniques 2  
- Macroeconomics  
- Irish Legal System 2

**About the Course**

Historically, the disciplines of business and law have been closely associated. In the global economy, businesses deal with complex issues concerning government regulations and international trade policies.

This course introduces students to essential business areas and fundamental legal studies. With the expansion of the legal profession into areas of mergers and taxation, the skills of business and legal graduates have merged in many aspects.

**Career Opportunities**

Graduates will be qualified to work as fully-trained legal executives or can also pursue careers in law, banking stockbroking, politics, lecturing, journalism, property management, taxation, accounting and many other areas.
SPORT MANAGEMENT

Deirdre Barry, MA
E: deirdre.barry@setu.ie

Donna Dunne, MA
E: donna.dunne@setu.ie

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

Round 1: AQA Waterford SE933

COURSE DURATION
3 YEARS
# Bachelor of Business (Honours)
## Recreation & Sport Management

<table>
<thead>
<tr>
<th>Year 1 Modules</th>
<th>Semester 1</th>
<th>Communication Skills for College &amp; Work</th>
<th>IT &amp; Research Skills</th>
<th>Intro to Sports Business Policy</th>
<th>Intro to Sport &amp; Exercise Science</th>
<th>Sports Studies</th>
<th>Sports Pedagogy 1 (sports skills)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Semester 2</td>
<td>Human Resource Management in Recreation &amp; Sport Organisation</td>
<td>Principles of Marketing</td>
<td>Physiology for Sport &amp; Exercise</td>
<td>Sociology of Sport</td>
<td>Recreation Planning</td>
<td>Sports Pedagogy 2 (sports skills)</td>
<td></td>
</tr>
</tbody>
</table>

### About the course
This is a four year honours degree which provides students with the necessary knowledge and skills to work in the wider sport, leisure, recreation and business industries.

Modules are common in Years 1 and 2 and students get to choose specialist module streams in Year 3 and 4.

This course is for someone who loves sport but allows them to discover which avenue of sport they would like to explore.

### 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, social media, digital marketing, event management)
- Leisure management
- Coaching & athlete support
- Special populations - youth at risk, older adults, people with disabilities.

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**PROGRAMME DIRECTOR**

Deirdre Barry, MA  E: deirdre.barry@setu.ie
Donna Dunne, MA  E: donna.dunne@setu.ie

**ENTRY REQUIREMENTS**

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

**CAO POINTS 2021**

Round 1: 262

**LOCATION**

Waterford

**COURSE DURATION**

4 YEARS

---

**PROGRAMME DIRECTOR**

Deirdre Barry, MA  E: deirdre.barry@setu.ie
Donna Dunne, MA  E: donna.dunne@setu.ie

**ENTRY REQUIREMENTS**

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

**CAO POINTS 2021**

Round 1: AQA

**LOCATION**

Waterford

**COURSE DURATION**

3 YEARS

---

**About the course**
The Bachelor of Business in Recreation & Sport Management is a three year degree which provides students with the necessary knowledge and skills to work in sport, leisure, exercise and business industries.

The programme is designed to give students a wide knowledge base in Years 1 and 2 and in Year 3 students can select electives allowing them to specialise in their chosen areas and shape their own career in the world of sport.

**Career opportunities**

- Local sports partnerships
- Coaching
- Leisure centre management and operations
- Fitness instruction
- Business setting (e.g. sports marketing, public relations, event management)
- Adapted physical activity and inclusion officer
- Outdoor recreation and sports tourism.

Students can progress into Year 4 of the Bachelor of Business (Hons) in Recreation and Sport Management SE906.
Bachelor of Arts (Honours)
Sports Management & Coaching (Gaelic Games)

**About the course**

Sports management and coaching is an area of study that combines the techniques of sports management and coaching with the principles of business and enterprise. This course is unique to Ireland as it is delivered in association with the GAA and only available at SETU Carlow campus. It has three key content areas: coaching and player development, business and management of sport and sports science. Class delivery in a range of settings including pitch, classroom and gym.

**Career opportunities**

Graduates will be qualified to work in a variety of sport-related careers, including: sport development officers; GAA development officers; video analysts; sports management; club development and/or administration; sports coaching and fitness instruction.

Graduates have also taken up various roles in business and marketing.

**Year 1 Modules**

**Semester 1**
- Player Development 1 (GAA)
- Applied Anatomy & Sports Physiology 1
- Intro to Coaching Pedagogy
- Professional Writing & Research in the Digital Age
- Information Technology

**Semester 2**
- Player Development 2 GAA
- Applied Anatomy & Sports Physiology 2
- Coach Education GAA 1
- Intro to Accounting for Sport
- Foundations of Sport Management

* Entry through a combination of leaving cert points, portfolio and interview.

Bachelor of Arts
Sport Coaching & Business Management (Gaelic Games)

**About the course**

This course is suitable for anyone who has an interest in Gaelic Games, both playing and coaching, or in the business and administration side of sport.

It is open to students of all playing and coaching abilities - not just elite athletes and coaches. Sports bodies require their management and coaching staff to have a well-rounded understanding and knowledge of business and management, as well as their chosen sport.

**Career opportunities**

Graduates will be qualified to work in a variety of sport-related careers, including: sport development officers; GAA development officers; video analysts; sports management; club development and/or administration; sports coaching and fitness instruction.

Graduates have also taken up various roles in business and marketing. Graduates of this course may be eligible to progress to Year 4 of the BA (Honours) Sports Management and Coaching (GAA).

**Year 1 Modules**

**Semester 1**
- Player Development 1 (GAA)
- Applied Anatomy & Sports Physiology 1
- Intro to Coaching Pedagogy
- Professional Writing & Research in the Digital Age
- Information Technology

**Semester 2**
- Player Development 2 GAA
- Applied Anatomy & Sports Physiology 2
- Coach Education GAA 1
- Intro to Accounting for Sport
- Foundations of Sport Management

* Entry through a combination of leaving cert points, portfolio and interview.
### Bachelor of Arts (Honours)  
**Sports Management & Coaching (Rugby)**

**Programme Director**  
Denis O’Brien  
MBA  
E: denis.obrien@setu.ie

<table>
<thead>
<tr>
<th>Year 1 Modules</th>
<th>Semester 1</th>
<th>Semester 2</th>
</tr>
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<tbody>
<tr>
<td><strong>Player Development 1 Rugby</strong></td>
<td><strong>Player Development 2 Rugby</strong></td>
<td></td>
</tr>
<tr>
<td><strong>Applied Anatomy &amp; Sports Physiology 1</strong></td>
<td><strong>Applied Anatomy &amp; Sports Physiology 2</strong></td>
<td></td>
</tr>
<tr>
<td><strong>Intro to Coaching Pedagogy</strong></td>
<td><strong>Coach Education Rugby 1</strong></td>
<td></td>
</tr>
<tr>
<td><strong>Professional Writing &amp; Research in the Digital Age</strong></td>
<td><strong>Intro to Accounting for Sport Foundations of Sport Management</strong></td>
<td></td>
</tr>
</tbody>
</table>

*Entry through a combination of leaving cert points, portfolio and interview.*

### Entry Requirements
- 2 subjects: H5
- 4 subjects: O6/H7
- English or Irish: O6/H7
- Garda vetting required

### Duration
- 4 YEARS

### About the Course
Sports management and coaching is an area of study that combines the techniques of sports management and coaching with the principles of business and enterprise.

This course is unique to Ireland as it is delivered in association with Leinster Rugby and the IRFU and is only available at SETU Carlow campus.

Classes are delivered in a range of settings including pitch, classroom and gym.

### Career Opportunities
Graduates will be qualified to work in a variety of sport-related areas including: rugby development officers, community rugby officers, professional athletes, coaches, performance analysts, sports management, club development and/or administration, sports coaching and fitness instruction.

Graduates have also taken up various roles in business, management and marketing.

### Bachelor of Arts  
**Sport Coaching & Business Management (Rugby)**

**Programme Director**  
Denis O’Brien  
MBA  
E: denis.obrien@setu.ie

<table>
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<td></td>
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</tbody>
</table>

*Entry through a combination of leaving cert points, portfolio and interview.*

### Entry Requirements
- 5 subjects: O6/H7
- Garda Vetting required

### Duration
- 3 YEARS

### About the Course
This course is suitable for anyone who has an interest in rugby, both playing and coaching, or in the business and administration side of sport. It is open to students of all playing and coaching abilities.

Sports bodies require their management and coaching staff to have a well-rounded understanding and knowledge about business and management, as well as their chosen sport.

### Career Opportunities
Graduates will be qualified to work in a variety of sport-related areas including: rugby development officers, community rugby officers, professional athletes, coaches, performance analysts, sports management, club development and/or administration, sports coaching and fitness instruction.

Graduates have also taken up various roles in business, management and marketing. Graduates of this course may be eligible to progress to Year 4 of the BA (Honours) Sports Management and Coaching (Rugby) (SE908).
Bachelor of Arts (Honours)
Sports Management & Coaching (Football)

About the course
This is a four year course and has three key content areas which include; coaching and player development, business and management of sport and sports science.

Classes are delivered in a range of settings including pitch, classroom and gym and will be of interest to those who are passionate about playing or coaching sport.

This course is delivered in association with the FAI and is only available at SETU Carlow campus.

Career opportunities
Graduates will be qualified to work in a variety of sports-related careers including: FAI Development Officer, FAI Administration, Sports Management, Club Development, Academy Football Coach, Fitness Instructor, Performance Analyst Coach, Education Business Administrator, International Coaching Positions and Professional/Semi Professional Footballer.

Graduates have also taken up roles in business and marketing.

Year 1 Modules

| Semester 1 | 
| Player Development (Football) 1 | 
| Applied Anatomy & Sports Physiology 1 | 
| Intro to Coaching Pedagogy | 
| Professional Writing & Research in the Digital Age | 
| Information Technology | 

| Semester 2 | 
| Player Development (Football) 2 | 
| Applied Anatomy & Sports Physiology 2 | 
| Coach Education (Football) 1 | 
| Intro to Accounting for Sport | 
| Foundations of Sport Management | 

* Entry through a combination of leaving cert points, portfolio and interview.

Bachelor of Arts
Sports Coaching & Business Management (Football)

About the course
This course is delivered in association with the FAI and is only available at SETU Carlow campus.

The player development and football education modules are delivered by experienced coaches and coach educators from the FAI giving students an opportunity to attain UEFA B Coaching certification in the third year of the course.

This course is suitable for anyone who has an interest in soccer, both playing and coaching or in the business and administration side of sport.

Career opportunities
Graduates will be qualified to work in a variety of sports-related careers including: FAI Development Officer, FAI Administration, Sports Management, Club Development, Academy Football Coach, Fitness Instructor, Performance Analyst Coach, Education Business Administrator, International Coaching Positions and Professional/Semi Professional Footballer.

Graduates of this course may be eligible to progress to Year 4 of the BA (Honours) Sports Management and Coaching (Football) - SE909.

Year 1 Modules

| Semester 1 | 
| Player Development (Football) 1 | 
| Applied Anatomy & Sports Physiology 1 | 
| Intro to Coaching Pedagogy | 
| Professional Writing & Research in the Digital Age | 
| Information Technology | 

| Semester 2 | 
| Player Development (Football) 2 | 
| Applied Anatomy & Sports Physiology 2 | 
| Coach Education (Football) 1 | 
| Intro to Accounting for Sport | 
| Foundations of Sport Management | 

* Entry through a combination of leaving cert points, portfolio and interview.
Bachelor of Arts (Honours)
Sport, Business & Coaching

Year 1 Modules
Semester 1
- Applied Athletic Development 1
- Intro to Coaching Pedagogy
- Applied Anatomy & Sports
- Physiology 1
- Professional Writing & Research in the Digital Age
- Information Technology

Semester 2
- Applied Athletic Development 2
- Intro to the Coaching Environment
- Applied Anatomy & Sports
- Physiology 2
- Intro to Accounting for Sport
- Foundations of Sport Management

About the course
This course is open to students from any sporting background who are passionate about playing and/or coaching their sport.

It will also be of interest to someone who would like a career in the business and administration of sport.

On completion of the course, students will have a detailed understanding of: athletic development, coach education, strength and conditioning, sport finance and sport media and marketing.

Career opportunities
Graduates will be qualified to work in a variety of sports-related careers including: sports development officers; sports management; club development; club administration; sport coaching and fitness instruction; governing body management and administration.

Graduates will also be qualified to work in business management and administration roles.

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

CAO POINTS 2021
NEW COURSE
LOCATION
COURSE DURATION
Carlow
3 YEARS

COURSE CODE
SE932

PROGRAMME DIRECTOR
Brian Dunne, MSc
E: brian.dunne@setu.ie
Denis O’Brien, MBA
E: denis.obrien@setu.ie

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

CAO POINTS 2021
NEW COURSE
LOCATION
COURSE DURATION
Carlow
4 YEARS

COURSE CODE
SE910

PROGRAMME DIRECTOR
Brian Dunne, MSc
E: brian.dunne@setu.ie
Denis O’Brien, MBA
E: denis.obrien@setu.ie

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

CAO POINTS 2021
NEW COURSE
LOCATION
COURSE DURATION
Carlow
4 YEARS

COURSE CODE
SE910

About the course
This course is open to students from any sporting background who wish to pursue a degree programme in Sport, Business & Coaching. It combines the techniques of sports management and coaching with the principles of business and management.

The field of sports management and coaching is changing rapidly. All sporting bodies require management and coaching staff to have an excellent understanding of their chosen sport, as well as strong business, organisational and administrative skills.

Career opportunities
Graduates will be qualified to work in a variety of sports-related careers including: sports development officers; sports management; club development; club administration; sport coaching and fitness instruction; governing body management and administration.

Graduates will also be qualified to work in business management and administration roles.

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

CAO POINTS 2021
NEW COURSE
LOCATION
COURSE DURATION
Carlow
3 YEARS

COURSE CODE
SE932

PROGRAMME DIRECTOR
Brian Dunne, MSc
E: brian.dunne@setu.ie
Denis O’Brien, MBA
E: denis.obrien@setu.ie

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

CAO POINTS 2021
NEW COURSE
LOCATION
COURSE DURATION
Carlow
4 YEARS

COURSE CODE
SE910
## COMMON ENTRY

### Exercise Science (Waterford)

<table>
<thead>
<tr>
<th>COURSE CODE</th>
<th>STREAMS</th>
<th>ENTRY REQUIREMENTS</th>
</tr>
</thead>
<tbody>
<tr>
<td>SE902</td>
<td>Sport &amp; Exercise Science</td>
<td>Entry route SE902</td>
</tr>
<tr>
<td>SE902</td>
<td>Nutrition &amp; Exercise Science</td>
<td>2 subjects: H5</td>
</tr>
</tbody>
</table>

### About the course

Exercise Science (Common Entry) is a four year degree path for those wishing to pursue a programme of study in the area of exercise science but who also wish to graduate in a specialist field. It is for students interested in Exercise Science as a broad career, but who are initially unsure about their specific areas of interest or career plan.

### Career opportunities

Career opportunities will be subject to your choice of specialist exit pathways. Exercise Sciences (Common Entry) has three specialist exit pathways - Sport, Nutrition or Health. 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.

### Year 1 Modules

In your first year, you will study a range of theoretical and practical modules designed to give you a basic understanding of the science of exercise. Modules will include Functional Anatomy and Kinesiology, Sport Psychology, Biomechanics, Strength & Conditioning and Fitness & Movement.

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**Exercise Science — COMMON ENTRY Degree Options**

- **SE902**
  - **Sport & Exercise Science**
  - BSc (Honours) — NFQ Level 8

- **SE902**
  - **Nutrition & Exercise Science**
  - BSc (Honours) — NFQ Level 8

- **SE902**
  - **Health & Exercise Science**
  - BSc (Honours) — NFQ Level 8

---

**FOLLOW ON STUDY**

Postgraduate Study — MSc or PhD
COMMON ENTRY — Bachelor of Science (Honours)

Sport & Exercise Science

About the course

The Sport and Exercise Science programme will give graduates the knowledge and skills to evaluate and improve sport and athletic performance.

The programme will emphasise the traditional sports science disciplines of biomechanics, physiology and psychology but also newer applied sports science disciplines including strength and conditioning, sports nutrition and performance analysis.

Career opportunities

Students will be capable of working with athletes and coaches on an ongoing basis to improve performance, health and well-being.

Students may also undertake post graduate study through either taught Masters programmes or research degrees at Masters and Doctoral level, ultimately providing sport science support, entering industry or remaining in research and education.

Year 1 Modules

Semester 1
Fitness & Movement
Functional Anatomy & Kinesiology
Promoting Physical Activity
Research & Learning
Intro to Sport Psychology
Human Physiology

Semester 2
Sport & Exercise Biomechanics 1
Intro to Exercise Psychology
Biomolecules & Cells
Strength & Conditioning
Data & Measurement
Business for the Exercise Professional

About the course

The Nutrition & Exercise Science degree gives graduates the knowledge and skills to work with individual athletes and teams to optimise nutrient intake, performance and health.

Graduates possess the capability to provide good nutritional advice to the general population, assisting health and weight, through a degree focused on both nutrition and exercise, including a nutrition placement.

Career opportunities

Graduates may continue further studies to register as a registered Sport and Exercise Nutritionist (SENr) who provide sports nutrition advice to high class athletes.

Graduates may also continue to pursue work/study in a health related area of nutrition. Careers as nutritionists, nutritionist in food companies, working in the supplements industry, health food industry to name a few.

Year 1 Modules

Semester 1
Fitness & Movement
Functional Anatomy & Kinesiology
Promoting Physical Activity
Research & Learning
Intro to Sport Psychology
Human Physiology

Semester 2
Sport & Exercise Biomechanics 1
Intro to Exercise Psychology
Biomolecules & Cells
Strength & Conditioning
Data & Measurement
Business for the Exercise Professional
COMMON ENTRY — Bachelor of Science (Honours)  
Health & Exercise Science

About the course
The BSc (Hons) in Health and Exercise Science is a full-time, four year, honours degree programme that can be chosen within the Exercise Sciences Common Entry Route.

It combines the disciplines of exercise science and physical activity.

Module pathways include physiology, biomechanics, psychology, nutrition, physical activity, strength and conditioning, and exercise programming.

Career opportunities
Graduates will have the knowledge and skills needed to assist the general population, distinct population groups, and those with health problems as they engage in physical activity and structured exercise programmes.

Career opportunities include working as an adapted physical activity specialist, sports development officer, health and exercise specialist, and personal trainer.

Year 1 Modules

<table>
<thead>
<tr>
<th>Semester</th>
<th>Courses</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Fitness &amp; Movement, Functional Anatomy &amp; Kinesiology, Promoting Physical Activity, Research &amp; Learning, Human Physiology, Intro to Sport Psychology</td>
</tr>
</tbody>
</table>

Bachelor of Science (Honours)  
Sport Rehabilitation & Athletic Therapy

About the course
This course equips students with the skills to manage the assessment, treatment and rehabilitation of injured individuals by offering a unique blend of academic theory, practical workshops and clinical placements. Students on this course enjoy state of the art facilities with an elite gym and a fully equipped dedicated sports injury clinic.

Career opportunities
Graduates will be competent and effective practitioners in injury assessment, treatment and rehabilitation, as well as sports nutrition and exercise prescription skills. They can secure employment with athletes/sports people, amateur sports clubs, and organisations in third level institutions, sports injury clinics or with amateur and professional sporting bodies.

Year 1 Modules

<table>
<thead>
<tr>
<th>Semester</th>
<th>Courses</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Anatomy, Physiology &amp; Cell Biology, Strength &amp; Conditioning, Applied Coaching, Maths &amp; Physical Sciences for Health Science, Intro to Sports &amp; Exercise Psychology</td>
</tr>
</tbody>
</table>

PROGRAMME DIRECTOR
Dr Barry Lambe  
PhD  
E: barry.lambe@setu.ie

Dr Sharon Kinsella  
PhD  
E: sharon.kinsella@setu.ie

COURSE CODE | LOCATION | CAO POINTS 2021 | ENTRY REQUIREMENTS | PROGRAMME DIRECTOR |
------------|----------|-----------------|--------------------|--------------------|
SE902       | Waterford| Round 1: 270    | 2 subjects: H5     | Dr Barry Lambe     |

SE901       | Carlow   | Round 1: 451    | 2 subjects: H5     | Dr Sharon Kinsella |

COURSE DURATION
4 YEARS
Bachelor of Science (Honours)  
Strength & Conditioning

About the course
Strength and Conditioning is an applied science that focuses on improving athletic performance, specifically endurance, speed, strength and power.

This course is designed to help students develop the knowledge, skills and analytical techniques in the sub-disciplines of sport and exercise sciences.

Students gain the knowledge and skill to help athletes and players achieve optimum sports performance.

Career opportunities
Graduates of our strength and conditioning degree course will be able to use scientific knowledge and practical expertise to guide the design and implementation of training programmes and monitoring of athletes.

Graduates will also have expert knowledge in the application of strength and conditioning for both children and older adults.

Year 1 Modules

<table>
<thead>
<tr>
<th>Semester 1</th>
<th>Semester 2</th>
</tr>
</thead>
<tbody>
<tr>
<td>Anatomy of Human Movement 1</td>
<td>Anatomy of Human Movement 2</td>
</tr>
<tr>
<td>Physiology &amp; Cell Biology 1</td>
<td>Physiology &amp; Cell Biology 2</td>
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<tr>
<td>Strength &amp; Conditioning: Applied Coaching 1</td>
<td>Strength &amp; Conditioning: Applied Coaching 2</td>
</tr>
<tr>
<td>Maths &amp; Physical Sciences for Health Science</td>
<td>Physical Sciences for Health Science</td>
</tr>
<tr>
<td>Intro to Sports &amp; Exercise Psychology</td>
<td>Exercise Physiology 1</td>
</tr>
</tbody>
</table>

Bachelor of Science (Honours)  
Sports Coaching & Performance

About the course
The BSc (Hons) in Sports Coaching and Performance is a four year honours degree that provides aspiring coaches from a variety of sporting backgrounds with an advanced coach education.

The programme combines the disciplines of sport science and coach education, applying theory to practice in different performance environments.

An internship year provides students with a unique lived experience to work in the field and gain knowledge in the working environment.

Career opportunities
Four key areas of employment range from:
- Coaching and sports development
- Performance Analyst
- Strength and conditioning coach
- Applied sport scientist.

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.
Bachelor of Science (Honours)
Sport & Exercise Science

<table>
<thead>
<tr>
<th>COURSE CODE</th>
<th>LOCATION</th>
<th>CAO POINTS 2021</th>
<th>ENTRY REQUIREMENTS</th>
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<tr>
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<td>Dr Colin Coyle</td>
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<td>Mathematics: O6/H7</td>
<td>E: <a href="mailto:colin.coyle@setu.ie">colin.coyle@setu.ie</a></td>
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<td></td>
<td>COURSE DURATION 4 YEARS</td>
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</tbody>
</table>

About the course
Sport and Exercise Science is the application of scientific principles to the promotion and enhancement of sport, exercise and health. Sport and Exercise Science develops an understanding of the human body’s response to exercise, how to maximise performance in athletes, the benefits of physical activity for health, and the psychological and sociological factors influencing sport and exercise.

Career opportunities
- Sport and Exercise Physiologist
- Exercise Professional
- Biomechanist
- Performance Analyst
- Sport and Exercise Psychologist
- Sport and Fitness Coach
- Sport Development Officer
- Health Promotion Strength and Conditioning Coach

Year 1 Modules
- Semester 1
  - Anatomy of Human Movement 1
  - Physiology & Cell Biology 1
  - Strength & Conditioning
  - Applied Coaching 1
  - Maths & Physical Sciences for Health Science
  - Intro to Sports & Exercise Psychology
- Semester 2
  - Anatomy of Human Movement 2
  - Physiology & Cell Biology 2
  - Strength & Conditioning
  - Applied Coaching 2
  - Physical Sciences for Health Science
  - Exercise Physiology 1

Higher Certificate in Science
Physiology & Health Science

<table>
<thead>
<tr>
<th>COURSE CODE</th>
<th>LOCATION</th>
<th>CAO POINTS 2021</th>
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<td>Brian O’Rourke</td>
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<td>Mathematics: O6/H7</td>
<td>E: <a href="mailto:brian.k.orourke@setu.ie">brian.k.orourke@setu.ie</a></td>
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<tr>
<td></td>
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</tbody>
</table>

About the course
Physiology and Health Science is the study of the human body with specific focus on how the body functions in relation to health and exercise.

This course provides formative level understanding of core physiology and health science subjects, combining theory with ‘hands-on’ practical elements resulting in an exciting and rewarding course.

Career opportunities
This course provides graduates with an avenue to progress to degree level courses in the allied health professions. Most graduates progress to further study in physiotherapy, occupational therapy, sport rehabilitation, radiography, nutrition and dietetics, speech and language therapy, chiropractic medicine and osteopathic medicine. The course provides a direct entry point to Year 3 of the BSc (Honours) Sport Rehabilitation and Athletic Therapy.

Year 1 Modules
- Semester 1
  - Anatomy 1
  - Physiology & Cell Biology 1
  - Strength & Conditioning
  - Applied Coaching 1
  - Maths & Physical Sciences for Health Science
  - Intro to Sport & Exercise Psychology
- Semester 2
  - Anatomy 2
  - Physiology & Cell Biology 2
  - Strength & Conditioning
  - Applied Coaching 2
  - Physical Sciences for Health Science
  - Exercise Physiology 1
NURSING, HEALTH & PSYCHOLOGY
### Bachelor of Science (Honours) General Nursing

<table>
<thead>
<tr>
<th>COURSE CODE</th>
<th>LOCATION</th>
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<td>COURSE DURATION</td>
<td>4 YEARS</td>
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</table>

#### About the course

The Bachelor of Science (Honours) in General Nursing is a four year professional degree course that qualifies you as a Registered General Nurse and enables you to register with the Nursing and Midwifery Board of Ireland.

This innovative programme will help you to become a highly skilled and competent nurse, preparing you for a rewarding career in the nursing profession.

#### Career opportunities

Upon graduation, you will be qualified to work as a nurse in Ireland and abroad. You will be able to work in a variety of roles in both acute and community health care settings, including hospitals, nursing homes, general practice, occupational health, and more.

Career opportunities and pathways exist in clinical practice, management, education and research.

#### Year 1 Modules

**Semester 1**
- General Nursing Skills & Experience
- Intro to General Nursing
- Learning to Learn
- Personal & Professional Development
- Professional & Patient Safety 1
- Anatomy & Physiology 1

**Semester 2**
- Fundamentals of General Nursing
- Health & Psychosocial Studies
- Intro to Evidence Based Practice 1
- Medication Management 1
- Anatomy & Physiology 2
- Nursing Experience 2

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### Bachelor of Science (Honours) Psychiatric Nursing

<table>
<thead>
<tr>
<th>COURSE CODE</th>
<th>LOCATION</th>
<th>CAO POINTS 2021</th>
<th>ENTRY REQUIREMENTS</th>
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<td></td>
<td></td>
<td>COURSE DURATION</td>
<td>4 YEARS</td>
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</tbody>
</table>

#### About the course

Psychiatric Nursing/Mental Health nursing is a specialist field within health care profession.

It involves an interpersonal communication with clients, linking and liaising with other professionals and working with people to individualise plan care and treatment.

A lot of the role of the mental health nurse is concerned with promoting good mental health practice.

#### Career opportunities

On registration with the Nursing and Midwifery Board of Ireland you will be a qualified Psychiatric nurse or RPN.

This qualification will enable you to work in acute or community care settings in Ireland, Europe or internationally.

There are a plethora of job opportunities in this field working with young people and people of more advanced years.

#### Year 1 Modules

**Semester 1**
- Anatomy & Physiology
- Fundamental Nursing Skills & Psychiatric Nursing Experience (placement)
- Intro to Psychiatric Nursing
- Learning to Learn
- Personal & Professional Development
- Professional & Patient Safety

**Semester 2**
- Altered Mood Perspective
- Anatomy & Physiology 2
- Health & Psycho Social Studies
- Intro to Evidence Based Practice
- Medication Management
- Psychiatric Nursing Experience
Bachelor of Science (Honours)
Intellectual Disability Nursing

Year 1 Modules
Semester 1
- Anatomy & Physiology 1
- Intellectual Disability Nursing Skills & Experience
- Intro to Intellectual Disability Nursing
- Learning to Learn
- Personal & Professional Development
- Professional & Personal Safety 1

Semester 2
- Anatomy & Physiology 2
- Caring for People with Intellectual Disabilities
- Health & Psychosocial Studies 1
- Medication Management 1
- Intro to Evidence Based Practice
- Nursing Experience 2

About the course
Intellectual disability nursing is a specialty field of nursing providing person-centered and holistic care and support to people with intellectual disabilities across the lifespan.

Intellectual disability nurses work as part of transdisciplinary teams to enable and empower people with intellectual disabilities to reach their full potential.

Career opportunities
Graduates may apply for staff nurse posts within intellectual disability services. Internationally, Irish nurses are highly regarded thus enhancing career opportunities.

Following qualification you can specialise within intellectual disability nursing in areas such as communication, behaviour support and dementia.

You may also pursue postgraduate study in nurse education/management.

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

CAO POINTS 2021
Round 1: 390

LOCATION
Waterford

COURSE DURATION
4 YEARS

PROGRAMME DIRECTOR
Dr Mary Reidy
PhD
E: mary.reidy@setu.ie

ENROLLMENT & ENTRY REQUIREMENTS

CAO POINTS 2021 LOCATION

COURSE CODE
SE916

LOCATION
Waterford

COURSE DURATION
4 YEARS

About the course

Career opportunities
## HEALTH SCIENCES (Waterford)

### Common Entry

<table>
<thead>
<tr>
<th>COURSE CODE</th>
<th>STREAMS</th>
<th>ENTRY REQUIREMENTS</th>
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</thead>
<tbody>
<tr>
<td>SE900</td>
<td>Public Health &amp; Health Promotion</td>
<td>2 subjects: H5</td>
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<tr>
<td>SE900</td>
<td>Applied Health Care</td>
<td>4 subjects: O6/H7</td>
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<td>Mathematics: O6/H7</td>
</tr>
</tbody>
</table>

### About the course

Healthcare 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 and persons with special needs, or through telehealth careers, to management & research.

### Career opportunities

Career opportunities will be subject to your choice of specialist exit pathways. Health Sciences (Common Entry) is the gateway for the two Level 8 BSc (Honours) degrees in SETU Waterford, an Applied Health Care degree or a Public Health and Health Promotion degree. At the end of first year you will be asked to select one of the courses to study in order to obtain your final award.
COMMON ENTRY — Bachelor of Science (Honours)  
Public Health & Health Promotion

Year 1 Modules

Semester 1
- Learning to Learn
- Care of the Older Adult 1
- Psychology for Health Care
- Anatomy & Physiology 1
- Intro to Healthcare Informatics
- Principles of Health Promotion

Semester 2
- Lifeskills for Health & Wellbeing
- Fundamentals of Care 1
- Medical Surgery Care 1
- Anatomy & Physiology 2
- Placement 1

About the course

The BSc (Honours) in Public Health & Health Promotion is a full-time, four year, honours degree course that can be chosen within the Health Sciences Common Entry Route.

The course is approved by the International Union for Health Promotion and Education which allows graduates to register as accredited public health and health promotion practitioners.

Career opportunities

- Health Promotion Officer in the Health Service Executive
- Health Promotion professional in hospitals
- State companies and private companies
- Charities
- Youth services
- Mental health services
- Health research.

PROGRAMME DIRECTOR

Prof Niamh Murphy, PhD
E: niamh.murphy@setu.ie
Dr Evan Matthews, PhD
E: evan.matthews@setu.ie

CAO POINTS 2021
Round 1: 271

LOCATION
Waterford

COURSE DURATION
4 YEARS

COURSE CODE
SE900

COMMON ENTRY — Bachelor of Science (Honours)  
Applied Health Care

Year 1 Modules

Semester 1
- Learning to Learn
- Care of the Older Adult 1
- Psychology for Health Care
- Anatomy & Physiology 1
- Intro to Healthcare Informatics
- Principles of Health Promotion

Semester 2
- Lifeskills for Health & Wellbeing
- Fundamentals of Care 1
- Medical Surgery Care 1
- Anatomy & Physiology 2
- Placement 1

About the course

The BSc (Honours) in Applied Health Care is a full-time, four year, honours degree course that can be chosen within the Health Sciences Common Entry Route.

This honours degree course 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 healthcare settings.

Career opportunities

Graduates may gain employment in the following areas:
- Managing and coordinating General Practices.
- Sales representatives in the pharmaceutical industry
- Delivery of health care in the emerging telehealth industry
- Health research
- Health promotion
- Technical roles in applied healthcare
- Applied health care provision in a variety of healthcare settings.

PROGRAMME DIRECTOR

Dr Claire O’Gorman, PhD
E: claire.ogorman@setu.ie
Dr Louise Bennett, PhD
E: louise.bennett@setu.ie

CAO POINTS 2021
Round 1: 271

LOCATION
Waterford

COURSE DURATION
4 YEARS

COURSE CODE
SE900
Bachelor of Science
Applied Health Care

About the course
The BSc in Applied Health Care is the first programme of its kind in Ireland and is designed to help you understand the varied needs of patients across the lifespan and enable you to deliver direct health care in hospitals, community care, general practice, pharmaceutical industry and health research.

This course also prepares students for the emerging area of internet and telephone health.

Career opportunities
Graduates may gain employment in the following areas:
- Applied health care provision in variety of settings including hospitals, clinics, community care settings, nursing homes.
- Managing and coordinating General Practices
- Sales representatives in the pharmaceutical industry
- Delivery of health care in the emerging telehealth industry
- Health research
- Postgraduate study.

Year 1 Modules
Semester 1
Learning to Learn
Care of the Older Adult 1
Psychology for Health Care
Anatomy & Physiology 1
Intro to Healthcare Informatics
Principles of Health Promotion

Semester 2
Lifeskills for Health & Wellbeing
Fundamentals of Care 1
Medical Surgery Care 1
Anatomy & Physiology 2
Placement 1

Bachelor of Arts (Honours)
Psychology

About the course
Psychology is the scientific study of cognitions, the mind, and behaviour, and help us better understand our world.

The BA (Hons) in Psychology at SETU Waterford is a three year, full-time honours degree (Level 8).

The programme emphasises critical thinking and research skills, through modules which examine both the theory and application of psychological knowledge.

Career opportunities
Graduates may choose to study at postgraduate level in order to seek a career as a professional psychologist in areas such as: clinical, educational, coaching, counselling, forensic, health, academia, neuropsychology, work/organisational, or sport.

Alternatively, many psychology graduates find rewarding careers in a related profession such as healthcare, human resources, marketing.

Year 1 Modules
Semester 1
Intro to Psychology
Intro to Statistical Analysis & Design
History of Psychology
Intro to Psychological Research Methods
Minor Subject 1 Module 1
Minor Subject 2 Module 1

Semester 2
Intro to Cognition & Perception
Intro to Biological Psychology
Developmental Psychology
Intro to Social Psychology
Minor Subject 1 Module 2
Minor Subject 2 Module 2
Bachelor of Architecture (Honours)
Architecture

About the course
This is a Level 8, Bachelor of Architecture (Honours) degree course, professionally accredited by the Royal Institute of Architects of Ireland to RIAI Part 2 standard. It is a five year, full-time course is located in the Granary building in Waterford city centre.

Career opportunities
All areas and types of architecture practice from building design to architectural conservation, urban design, interior design and architectural project management.

Year 1 Modules

Semester 1
Architectural Design Studio 1
Cultural Context 1
Structures & Environmental Science 1
Techne Studio 1
Visual Communications 1

Semester 2
Architectural Design Studio 2
Cultural Context 2
Research & Academic Development 1
Techne Studio 2
Visual Communications 2

Bachelor of Science (Honours)
Architectural Technology

About the course
This is a studio-based technical design course that integrates architectural theory with practical application. Students complete an integrated project, based on a field study to international locations such as Bilbao, Rome or Milan.

Students will complete a 30-credit work placement during Semester 5 in Year 3 providing great insight into their role.

Career opportunities
Architectural technology refers to the technical design and expertise used in the increasingly complex design process required for contemporary architecture. The architectural technologists’ focus is on the technical side of construction and they work closely with architects and other building professionals to resolve any potential design problems before construction starts.

This course is professionally accredited by both CIAT and the RIAI.

Year 1 Modules

Semester 1
Studio 1
Building Technology, Materials & Structures 1
Revit, CAD & Information Technology 1
Building Performance & Services 1
Surveying & Recording 1

Semester 2
Studio 1 (continued)
Building Technology, Materials & Structures 2
Revit, CAD & Information Technology 2
Building Performance & Services 2
Surveying & Recording 2
Bachelor of Science
Architectural Technology

Year 1 Modules
Semester 1
Studio 1
Building Technology, Materials & Structures 1
Revit, CAD & Information Technology 1
Building Performance & Services 1
Surveying & Recording 1
Semester 2
Studio 1 (continued)
Building Technology, Materials & Structures 2
Revit, CAD & Information Technology 2
Building Performance & Services 2
Surveying & Recording 2

About the course
This is a studio-based technical design course that integrates architectural theory with practical application. Students complete an integrated project, based on a field study to international locations such as Bilbao, Rome or Milan.

Students will complete a 30-credit work placement during Semester 5 in Year 3 providing great insight into their role.

Professionally accredited by both CIAT and the RIAI.

Career opportunities
Architectural technology refers to the technical design and expertise used in the increasingly complex design process required for contemporary architecture. The architectural technologists’ focus is on the technical side of construction and they work closely with architects and other building professionals to resolve any potential design problems before construction starts.

About the course
This four year programme is fully accredited by the CIAT. It enables students to become architectural technologists with additional accredited programme advanced skills in Building Information Technology (BIM). It includes an industrial placement in Year 3 and an annual international symposium.

Career opportunities
Graduates are in very high demand across the full spectrum of architecture and built environment organisations at home and abroad. The knowledge and skill sets gained on this degree programme are at the cutting edge of modern design and construction.
Bachelor of Science
Architectural Technology

About the course
This three year course enables students to become competent in preparing construction drawings and specifications for complex building types. 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.

Career opportunities
Graduates are in very high demand, particularly in architectural design offices at home and abroad. The knowledge and skill sets gained on this degree programme are directly relevant modern design and construction. Many graduates progress to the Level 8 degree, either immediately or after gaining some work experience.

Year 1 Modules
Semester 1
Arch & BIM Technology Studio 1
Arch Communications & BIM 1
Construction Technology 1
Detail the External Envelope
Structures & Environment 1

Semester 2
Arch & BIM Technology Studio 2
Arch Communications & BIM 2
Construction Technology 2
Creative & Critical Thinking
Structures & Environment 2

ENTRY REQUIREMENTS
Round 1: 176
5 subjects: O6/H7
English or Irish: O6/H7
Mathematics: O6/H7

COURSE DURATION
3 YEARS

COURSE CODE
SE716

LOCATION
Waterford - Granary

ENTRY REQUIREMENTS
Round 1: 176
5 subjects: O6/H7
English or Irish: O6/H7
Mathematics: O6/H7

COURSE DURATION
3 YEARS

PROGRAMME DIRECTOR
Brian Dempsey, MCIAT, MSc
E: brian.dempsey@setu.ie

Gordon Chisholm, MCIAT, MSc
E: gordon.chisholm@setu.ie

Bachelor of Science
Architectural Technology
BUILT ENVIRONMENT

PROGRAMME DIRECTOR

Anthony Dempsey
MSc
E: anthony.dempsey@setu.ie

LOCATION

2 subjects: H5
4 subjects: O6/H7
English or Irish: O6/H7

COURSE CODE

Round 1:
260 Carlow SE706

COURSE DURATION

4 YEARS
About the course
Construction Management and 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.

Career opportunities
The CME programme prepares students for a variety of exciting career opportunities in project management and engineering roles across the global construction sector. Many of our graduates work with some of the best Irish and international construction companies in roles such as: Project Management, Construction Engineering, Design and Build, IT, Facilities Management, Business, and many more.

Year 1 Modules

Semester 1
Construction Measurement & Estimating 1
Intro to Management
Mathematics
Residential Technology 1
Intro to ICT
Communications & Study Skills

Semester 2
Intro to Construction Economics
Theory of Structure
Intro to Construction Materials
Intro to BIM
Intro to Building Services
Residential Technology 2

About the course
Construction projects supply the key infrastructure that is vital for modern society ranging from schools to hospitals, houses, apartment buildings, office blocks, shops and retail buildings.

Construction managers are responsible for managing the construction of these projects from concept to completion, ensuring that they meet the client’s requirements and are completed on time and within budget.

Career opportunities
- Manage the construction process with building contractors
- Project manager working with project management consultants
- Manager of property procurement process working with property developers
- Manager of new developments for large retail and industrial companies with internal building procurement offices.

Year 1 Modules

Semester 1
Domestic Technology & Structural Appreciation 1
Land Surveying
AutoCAD, IT & Communications
Applied Mathematics
Intro to the Construction Industry

Semester 2
Domestic Technology & Structural Appreciation 2
Materials, Building & Land Surveying
Building Services 1
Building Information Modeling 1
Construction Management Fundamentals
Bachelor of Science
Construction Management

About the course
Construction projects supply the key infrastructure that is vital for modern society ranging from schools to hospitals, houses, apartment buildings, office blocks, shops and retail buildings.

Construction managers are responsible for managing the construction of these projects from concept to completion, ensuring that they meet the client’s requirements and are completed on time and within budget.

Career opportunities
- Manage the construction process with building contractors
- Project Manager working with project management consultants
- Manager of property procurement process working with property developers
- Manager of new developments for large retail and industrial companies with internal building procurement offices.

Year 1 Modules

Semester 1
- Domestic Technology & Structural Appreciation 1
- Land Surveying
- AutoCAD, IT & Communications
- Applied Mathematics
- Intro to the Construction Industry

Semester 2
- Domestic Technology & Structural Appreciation 2
- Materials, Building & Land Surveying
- Building Services 1
- Building Information Modeling 1
- Construction Management Fundamentals

Bachelor of Engineering (Honours)
Civil Engineering

About the course
Civil engineers design, construct and maintain the built environment on which our modern societies depend. Civil engineering includes roads, water and wastewater treatment, buildings, bridges, railways, airports and electricity generation. Increasingly, the role of the civil engineer in developing sustainable solutions to climate change challenges is becoming important.

Civil engineers ensure that we protect our natural environment while maintaining this critical infrastructure in a sustainable manner.

Career opportunities
A civil engineering degree gives you a lot of choice for your working career.

Most of our graduates take up roles in the design, construction and maintenance of large civil engineering projects but the analytical problem-solving skills of civil engineers are valued in many industries.

The demand for civil engineers greatly exceeds current supply.

Year 1 Modules

Semester 1
- Mathematics & Statistics 1
- Civil Engineering Technology 1
- Engineering Physics 1
- Material Science & Soil Mechanics
- Engineering Drawing 1

Semester 2
- Engineering Mathematics 1
- Civil Engineering Technology 2
- Engineering Chemistry
- Quantity Surveying & Estimating
- Engineering Drawing 2 and Surveying & Setting Out 1
Bachelor of Engineering
Civil Engineering

Year 1 Modules
Semester 1
- Mathematics 1
- Material Science
- Engineering Science 1
- Civil Engineering Technology 1
- Engineering Drawing and Information Technology 1

Semester 2
- Mathematics 2
- Surveying & Setting Out 1
- Engineering Science 2
- Civil Engineering Technology 2
- Engineering Drawing and Information Technology 2

About the course
Civil engineers design, construct and maintain the built environment on which our modern societies depend.

Civil engineering includes roads, water and wastewater treatment, buildings, bridges, railways, airports and electricity generation.

Civil engineers ensure that we protect our natural environment while maintaining this critical infrastructure in a sustainable manner.

Career opportunities
A civil engineering degree gives you a lot of choice for your working career.

Most of our graduates take up roles in the design, construction and maintenance of large civil engineering projects but the analytical problem-solving skills of civil engineers are valued in many industries.

The demand for civil engineers greatly exceeds current supply.

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

CAO POINTS 2021
Round 1: 208

LOCATION
Carlow

COURSE DURATION
3 YEARS

COURSE CODE
SE719

PROGRAMME DIRECTOR
Brian Byrne
MSc Eng
E: brian.byrne@setu.ie

Bachelor of Science (Honours)
Quantity Surveying

Year 1 Modules
Semester 1
- Intro to Management
- Measurement & Estimating 1
- Mathematics for Surveyors
- Residential Technology 1
- Communication & Study Skills
- Intro to ICT

Semester 2
- Intro to Construction Economics
- Theory of Structures
- Intro to Building Services
- Intro to Construction Materials
- BIM 1
- Residential Technology 2

About the course
Quantity Surveying in SETU Waterford is an internationally recognised Honours Degree programme. It boasts a 100% graduate employment record for each of the last 10 academic years placing our graduates amongst the most highly sought after in the industry.

It has full course accreditation from the Society of Chartered Surveyors Ireland. It provides the student with 30 weeks paid placement.

Students do not have to have any knowledge of construction materials or technology at leaving cert. The math's element of the programme is simple arithmetic.

Career opportunities
Graduates are currently working all over the world on some of the largest construction projects around the globe.

Such is the demand for graduates of the programme that Employers are currently seeking students on a part time basis as early as year 2. Graduates can expect a starting salary of approximately €45K.

Senior Chartered graduates of the programme can achieve six figure salaries (2022 figures).

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

CAO POINTS 2021
Round 1: 226

LOCATION
Waterford

COURSE DURATION
4 YEARS

COURSE CODE
SE704

PROGRAMME DIRECTOR
Dr John Mernagh
LL.M
E: john.mernagh@setu.ie

South East Technological University BUILT ENVIRONMENT
Bachelor of Science (Honours)
Quantity Surveying

About the course
Quantity surveyors manage all aspects of costs on a construction project ensuring projects are completed on time and within budget. Our course is built around developing the key skills to carry out this role with a focus on different methods of construction and construction technology ranging from housing to complex commercial and industrial developments.

Career opportunities
Quantity surveyors can find employment with consultancy firms, general and specialist building contractors, local authorities and government departments.

Graduates will be qualified to:
• Manage building design costs
• Manage contract and procurement procedures
• Administer financial construction contracts and budgets
• Manage projects.

Bachelor of Science (Honours)
Set Design & Construction

About the course
The creative industries of film and TV production, theatre, and events management are areas of considerable growth.

This new degree is aimed at applicants who would like to work as part of the team who design and build film, theatre and TV sets.

The fourth year also allows for a deeper exploration of new technologies in set design and construction by examining the world of virtual production.

Career opportunities
• TV/Film/Theatre Art Director
• TV/Film/Theatre Set Designer and art department crew
• Production and/or construction coordinator
• Theatre and events crew member
• Advertising and social media creative
• Event prop maker
• Event management
• Virtual world production.

Year 1 Modules
Semester 1
Intro to Set Design & Production
Wood Craft & Model Making 1
Technical Drawing & Sketching
Design Software & Information Technology 1
Theatre Design Contexts

Semester 2
Set Design for Stage & Screen
Wood Craft & Model Making 2
Materials Technology
Design Software & Information Technology 2
Film & Television Contexts
Bachelor of Science
Set Design & Construction

Year 1 Modules

**Semester 1**
- Intro to Set Design & Production
- Wood Craft & Model Making 1
- Technical Drawing & Sketching
- Design Software & Information Technology 1
- Theatre Design Contexts

**Semester 2**
- Set Design for Stage & Screen
- Wood Craft & Model Making 2
- Materials Technology
- Design Software & Information Technology 2
- Film & Television Contexts

About the course
The creative industries of film and TV production, theatre, and events management are areas of considerable growth.

This new degree is aimed at applicants who would like to work as part of the team who design and build film, theatre and TV sets.

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Career opportunities
- TV/Film/Theatre Art Director
- TV/Film/Theatre Set Designer and art department crew
- Production and/or construction coordinator
- Theatre and events crew member
- Advertising and social media creative
- Event prop maker
- Event management
- Virtual world production.

Programme Director
Ms Yvonne Finn
PG Dip
E: yvonne.finn@setu.ie

Entry Requirements
5 subjects: O6/H7
English or Irish: O6/H7
Mathematics: O6/H7

CAO Points 2021
NEW COURSE
LOCATION
LOCATION DURATION
Carlow
3 YEARS

COURSE CODE
SE735

Course Code
NEW COURSE
SE735

Duration
3 YEARS

CAO Points
NEW COURSE
30

Programme Director
Ms Yvonne Finn
PG Dip
E: yvonne.finn@setu.ie
PROGRAMME DIRECTOR

Dr Gerard Gibbs
PhD
E: gerard.gibbs@setu.ie

CAO POINTS 2021
5 subjects: O6/H7
English or Irish: O6/H7
Mathematics: O6/H7

LOCATION
Round 1: 293 Carlow SE729

COURSE CODE

COURSE DURATION
3 YEARS
Bachelor of Engineering (Honours)
Aerospace Engineering

Year 1 Modules
Semester 1
- Engineering Mathematics 1
- Aircraft Anatomy & Design 1
- Aviation Science 1
- Avionics Fundamentals 1
- Management Fundamentals & Communications

Semester 2
- Engineering Mathematics 2
- Aircraft Anatomy & Design 2
- Aviation Science 2
- Avionics Fundamentals 2
- Aviation Engineering Practice

About the course
Aerospace engineering covers the design and development of all types of aircraft including: airplanes, helicopters, satellites and spacecraft.

Career opportunities
Aerospace engineers bring concepts to reality by applying the principles of engineering to the design, manufacture and operation of highly-sophisticated technologies for use in aviation and space exploration.

About the course
Aircraft systems engineering is the field of study relating to the maintenance and airworthiness of aircraft. Aircraft system engineers work in the development of on board systems, including flight controls, landing gear, electrical power systems, hydraulics, and avionics systems.

Career opportunities
Aircraft system engineers work with airline and aircraft maintenance companies. The role of an aircraft systems engineer can involve maintenance scheduling, logistics and field support.

Bachelor of Engineering
Aircraft Systems

Year 1 Modules
Semester 1
- Engineering Mathematics 1
- Aircraft Anatomy & Design 1
- Aviation Science 1
- Avionics Fundamentals 1
- Management Fundamentals & Communications

Semester 2
- Engineering Mathematics 2
- Aircraft Anatomy & Design 2
- Aviation Science 2
- Avionics Fundamentals 2
- Aviation Engineering Practice

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

CAO POINTS 2021
- Round 1: 371

LOCATION
- Carlow

COURSE DURATION
- 4 YEARS

COURSE CODE
- SE714

ENTRY ROUTE
- 5 subjects: O6/H7
- English or Irish: O6/H7
- Mathematics: O6/H7

CAO POINTS 2021
- Round 1: 293

LOCATION
- Carlow

COURSE DURATION
- 3 YEARS

COURSE CODE
- SE729
About the course
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. Year 1 gives students the opportunity to explore the five Bachelor of Engineering (Honours) degree options and decide which is best for them: Automation, Electrical, Electronic, Sustainable Civil and Sustainable Energy.

Career opportunities
There are many types of Engineering all of which are focused on making a better world. Studying Engineering leads to exciting career options at home and abroad with top salaries across a wide range of industries. Engineers are shaping the future by applying their valuable knowledge and skills. They are central to innovation and new product development.

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**COMMON ENTRY Engineering (Waterford)**

<table>
<thead>
<tr>
<th>ENTRY REQUIREMENTS</th>
<th>STREAMS</th>
<th>COURSE CODE</th>
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</thead>
<tbody>
<tr>
<td>2 subjects: H5</td>
<td>Automation Engineering</td>
<td>SE700</td>
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<tr>
<td>4 subjects: O6/H7</td>
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<td>SE700</td>
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<tr>
<td>English or Irish: O6/H7</td>
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<td>SE700</td>
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<td>Mathematics: O2/H6</td>
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<tr>
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<td>Electrical Engineering</td>
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</table>

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**Engineering — COMMON ENTRY Degree Options**

- **Automation Engineering**
  - BEng (Honours) – NFQ Level 8

- **Sustainable Energy Engineering**
  - BEng (Honours) – NFQ Level 8

- **Sustainable Civil Engineering**
  - BEng (Honours) – NFQ Level 8

- **Electronic Engineering**
  - BEng (Honours) – NFQ Level 8

- **Electrical Engineering**
  - BEng (Honours) – NFQ Level 8

---

Follow on Study — MEng, MSc or PhD
**COMMON ENTRY — Bachelor of Engineering (Honours)\nAutomation Engineering**

<table>
<thead>
<tr>
<th>COURSE CODE</th>
<th>LOCATION</th>
<th>CAO POINTS 2021</th>
<th>ENTRY ROUTE</th>
<th>PROGRAMME DIRECTOR</th>
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<tbody>
<tr>
<td>SE700</td>
<td>Waterford</td>
<td>Round 1: 270</td>
<td>SE700 (Level 8) Engineering (Common Entry)</td>
<td>Dominick O’Brien MEng E: <a href="mailto:dominick.obrien@setu.ie">dominick.obrien@setu.ie</a></td>
</tr>
</tbody>
</table>

**COURSE DURATION**

4 YEARS

**About the course**

Modern automation engineering combines elements of electronics, interfacing, instrumentation, software programming, robotics, networking, databases and data intelligence which are highly sought-after skills in sectors such as the pharmaceutical, medical device and food industries.

**Career opportunities**

Graduates for the BEng (Honours) in Automation Engineering may find employment in the following areas:

- Automation Engineering
- Control Engineering
- Research & Development
- Test & Measurement
- Data Intelligence
- Network Management
- Production Support.

**Year 1 Modules**

- Intro to Engineering
  - Engineering Computing
  - Engineering Maths 1
  - Engineering Professionalism
  - Engineering Physics 1
- BIM 1
  - Engineering Maths 2
  - Engineering Physics 2
  - Mechanics 1
  - Management for Engineers
  - Land Surveying & Sustainable Energy

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**COMMON ENTRY — Bachelor of Engineering (Honours)\nSustainable Energy Engineering**

<table>
<thead>
<tr>
<th>COURSE CODE</th>
<th>LOCATION</th>
<th>CAO POINTS 2021</th>
<th>ENTRY ROUTE</th>
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<tr>
<td>SE700</td>
<td>Waterford</td>
<td>Round 1: 270</td>
<td>SE700 (Level 8) Engineering (Common Entry)</td>
<td>Colm Tynan MEng E: <a href="mailto:colm.tynan@setu.ie">colm.tynan@setu.ie</a></td>
</tr>
</tbody>
</table>

**COURSE DURATION**

4 YEARS

**About the course**

This programme investigates energy and its uses in areas such as sustainable low energy building design, low and zero carbon heat and power generation technologies (including renewables), energy management, energy storage and carbon emissions.

Become an engineer who designs energy systems, optimises energy performance, understands alternative energy technologies and environmental impact.

**Career opportunities**

Graduates from the BEng (Honours) in Sustainable Energy Engineering will be equipped with the knowledge and skills required to pursue a career within the energy sector either in Ireland or abroad. No two days as an energy engineer are the same. Graduates may find employment in the following areas:

- Design Energy Engineer
- Energy Manager
- Specialist Low Energy Design Consultant
- Site Engineer
- and much more!

**Year 1 Modules**

- Intro to Engineering
  - Engineering Computing
  - Engineering Maths 1
  - Engineering Professionalism
  - Engineering Physics 1
- BIM 1
  - Engineering Maths 2
  - Engineering Physics 2
  - Mechanics 1
  - Management for Engineers
  - Land Surveying & Sustainable Energy
COMMON ENTRY — Bachelor of Engineering (Honours)

Sustainable Civil Engineering

Year 1 Modules

Semester 1
- Intro to Engineering
- Engineering Computing
- Engineering Maths 1
- Engineering Professionalism
- Engineering Physics 1

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

About the course

Civil Engineers work 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.

Career opportunities

This course was established in 2010 and is very well regarded by industry, both in Ireland and internationally.

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

COMMON ENTRY — Bachelor of Engineering (Honours)

Electronic Engineering

Year 1 Modules

Semester 1
- Intro to Engineering
- Engineering Computing
- Engineering Maths 1
- Engineering Professionalism
- Engineering Physics 1

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

About the course

The BEng (Honours) in Electronic Engineering is a full-time, four year, honours degree course that can be chosen within the Engineering Common Entry Route.

This course is recognised by Engineers Ireland (EI) and prepares students for employment in the electronics industry.

Career opportunities

Graduates of BEng (Honours) in Electronic Engineering may find employment in the following areas:
- Electronics Design
- Control Engineering
- Research & Development
- Test & Measurement
- Technical Support
- Electronic Sales.
**COMMON ENTRY — Bachelor of Engineering (Honours)**

**Electrical Engineering**

<table>
<thead>
<tr>
<th>COURSE CODE</th>
<th>LOCATION</th>
<th>CAO POINTS 2021</th>
<th>ENTRY ROUTE</th>
<th>PROGRAMME DIRECTOR</th>
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</thead>
<tbody>
<tr>
<td>SE700</td>
<td>Waterford</td>
<td>Round 1: 270</td>
<td>SE700 (Level 8) Engineering (Common Entry)</td>
<td>Siobhan Wall MEng E: <a href="mailto:siobhan.wall@setu.ie">siobhan.wall@setu.ie</a></td>
</tr>
</tbody>
</table>

**About the course**

Electrical Engineering is concerned with the generation, transmission and distribution of Electrical power, the design and development of electrical machines and equipment and the specification of electrical service plans for industrial buildings and facilities.

**Career opportunities**

Employment Opportunities for BEng (Honours) in Electrical Engineering graduates.

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

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

**Year 1 Modules**

**Semester 1**

- Intro to Engineering
- Engineering Computing
- Engineering Maths 1
- Engineering Professionalism
- Engineering Physics 1

**Semester 2**

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

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**Bachelor of Engineering**

**Electrical Engineering**

<table>
<thead>
<tr>
<th>COURSE CODE</th>
<th>LOCATION</th>
<th>CAO POINTS 2021</th>
<th>ENTRY REQUIREMENTS</th>
<th>PROGRAMME DIRECTOR</th>
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<tbody>
<tr>
<td>SE720</td>
<td>Waterford</td>
<td>Round 1: AQA</td>
<td>5 subjects: O6/H7</td>
<td>Siobhan Wall MEng E: <a href="mailto:siobhan.wall@setu.ie">siobhan.wall@setu.ie</a></td>
</tr>
</tbody>
</table>

**About the course**

Electrical Engineering is concerned with the generation, transmission and distribution of Electrical power, the design and development of electrical machines and equipment and the specification of electrical service plans for industrial buildings and facilities.

Electrical Engineers work on the development of a smart electrical grid to allow for the effective use of renewable energies.

**Career opportunities**

Graduates from the BEng in Electrical Engineering 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.

**Year 1 Modules**

**Semester 1**

- Fundamental Engineering Maths
- Electrical Science 1
- Electronic Devices & Circuits
- Electrical Science 1
- Engineering Professionalism & Technology
- Electrical Engineering Apps & Practice

**Semester 2**

- Introductory Calculus
- Discrete Active Circuits
- Digital Electronics & Software
- Electrical Circuits
- Electrical Design & Standards
- Electrical Workshop
Bachelor of Engineering (Honours)  
**Biomedical Electronics**

<table>
<thead>
<tr>
<th>PROGRAMME DIRECTOR</th>
<th>ENTRY REQUIREMENTS</th>
<th>CAO POINTS 2021</th>
<th>LOCATION</th>
<th>COURSE CODE</th>
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<tbody>
<tr>
<td>Dr Donnacha Lowney</td>
<td>2 subjects: H5</td>
<td>5 subjects: O6/H7</td>
<td>Carlow</td>
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<tr>
<td>PhD</td>
<td>4 subjects: O6/H7</td>
<td>English or Irish: O6/H7</td>
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<tr>
<td>E: <a href="mailto:donnacha.lowney@setu.ie">donnacha.lowney@setu.ie</a></td>
<td>Mathematics: O6/H7</td>
<td></td>
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</tr>
</tbody>
</table>

**Year 1 Modules**

**Semester 1**  
- Mathematics & Computer Applications 1  
- Electrical & Electronic Fundamentals  
- Programming Systems  
- Physiology & Cell Biology 1

**Semester 2**  
- Mathematics & Computer Applications 2  
- Electrical & Electronic Circuits  
- Technical Communications  
- Prototyping  
- Physiology & Cell Biology 2

**About the course**  
Biomedical electronics involves the application of electronic circuits and technologies for treating medical conditions, monitoring health problems and improving quality of life for patients.

Examples include:
- Medical implants (cardiac defibrillators, pacemakers, deep brain neuro-stimulators, insulin pumps)
- Medical monitors (ECG, EEG)
- Diagnostic equipment (ultrasound, MRI, PET, CT, X-ray)
- Life support (ventilators, incubators);
- Surgical equipment (endoscopy and electrosurgical).

**Career opportunities**  
MedTech Sector:
- Research and development (R&D)
- Design of electronic circuits and systems for medical technologies
- Advanced manufacturing processes
- Specialist rehabilitation engineering
- Wearable and connected health products
- Clinical medicine & pharmaceutical products
- Engineering consultancy on biomedical technologies.

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**Programme Details**

- **Year 1 Modules**
- **Semester 1**: Mathematics & Computer Applications 1, Electrical & Electronic Fundamentals, Programming Systems, Physiology & Cell Biology 1
- **Semester 2**: Mathematics & Computer Applications 2, Electrical & Electronic Circuits, Technical Communications, Prototyping, Physiology & Cell Biology 2
- **Career Opportunities**: MedTech Sector
- **About the course**: Biomedical electronics involves the application of electronic circuits and technologies for treating medical conditions, monitoring health problems and improving quality of life for patients.
- **Examples**: Medical implants (cardiac defibrillators, pacemakers, deep brain neuro-stimulators, insulin pumps), Medical monitors (ECG, EEG), Diagnostic equipment (ultrasound, MRI, PET, CT, X-ray), Life support (ventilators, incubators), Surgical equipment (endoscopy and electrosurgical).
- **Programme Details**: Bachelor of Engineering (Honours) Biomedical Electronics at South East Technological University.

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**Programme Details**

- **Year 1 Modules**
- **Semester 1**: Mathematics & Computer Applications 1, Electrical & Electronic Fundamentals, Programming Systems, Physiology & Cell Biology 1
- **Semester 2**: Mathematics & Computer Applications 2, Electrical & Electronic Circuits, Technical Communications, Prototyping, Physiology & Cell Biology 2
- **Career Opportunities**: MedTech Sector
- **About the course**: Biomedical electronics involves the application of electronic circuits and technologies for treating medical conditions, monitoring health problems and improving quality of life for patients.
- **Examples**: Medical implants (cardiac defibrillators, pacemakers, deep brain neuro-stimulators, insulin pumps), Medical monitors (ECG, EEG), Diagnostic equipment (ultrasound, MRI, PET, CT, X-ray), Life support (ventilators, incubators), Surgical equipment (endoscopy and electrosurgical).
- **Programme Details**: Bachelor of Engineering (Honours) Biomedical Electronics at South East Technological University.
# Bachelor of Engineering (Honours)
## Robotics & Automated Systems

**Course Code:** SE710  
**Location:** Carlow  
**Duration:** 4 years  
**Entry Requirements:** 2 subjects: H5  
4 subjects: O6/H7  
English or Irish: O6/H7  
Mathematics: O6/H7

**Programme Director:** Dr. Dorel Picovici  
PhD  
E: dorel.picovici@setu.ie

### Year 1 Modules
- **Semester 1**  
  - Robotics Programming 1  
  - Engineering Mathematics 1  
  - Static Mechanics  
  - Electrical & Electronic Fundamentals  
  - Computer Aided Drafting  
- **Semester 2**  
  - Robotics Project  
  - Engineering Mathematics 2  
  - Dynamic Mechanics  
  - Electrical & Electronic Circuits

### About the Course
Robotics and automated systems is a multidisciplinary area that combines electronic engineering, mechanical engineering, and computer science.

Students learn about embedded programming, control systems, automated decision-making, and power electronics, which find application in almost every industry such as pharmaceutical, automotive, healthcare and agriculture.

### Career Opportunities
- Robotics Engineers / Test Engineers  
- Automation System Engineers  
- Senior Automation Engineer  
- Senior Controls Engineer  
- Senior C++ Engineer – R&D role  
- Process Excellence Analyst  
- Controls Team Lead  
- Robotics Process Automation (RPA) Consultant  
- Maintenance Test Engineer  
- Field Service Engineer  
- Solutions Architect Consultant (Very senior role)  
- Engineering Project Manager.

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# Bachelor of Engineering
## Robotics & Automated Systems

**Course Code:** SE728  
**Location:** Carlow  
**Duration:** 3 years  
**Entry Requirements:** 5 subjects: O6/H7  
English or Irish: O6/H7  
Mathematics: O6/H7

**Programme Director:** Dr. Dorel Picovici  
PhD  
E: dorel.picovici@setu.ie

### Year 1 Modules
- **Semester 1**  
  - Robotics Programming 1  
  - Engineering Mathematics 1  
  - Static Mechanics  
  - Electrical & Electronic Fundamentals  
  - Computer Aided Drafting  
- **Semester 2**  
  - Robotics Project  
  - Engineering Mathematics 2  
  - Dynamic Mechanics  
  - Electrical & Electronic Circuits

### About the Course
Robotics and automated systems is a multidisciplinary area that combines electronic engineering, mechanical engineering, and computer science.

Students learn about embedded programming, control systems, automated decision-making, and power electronics, which find application in a range of applications e.g. packaging, welding, painting, machining and inspecting parts across all industry sectors.

### Career Opportunities
- Robotics Engineers / Test Engineers  
- Automation System Engineers  
- Senior Automation Engineer  
- Senior Controls Engineer  
- Senior C++ Engineer – R&D role  
- Process Excellence Analyst  
- Controls Team Lead  
- Robotics Process Automation (RPA) Consultant  
- Maintenance Test Engineer  
- Field Service Engineer  
- Solutions Architect Consultant (Very senior role)  
- Engineering Project Manager.
Bachelor of Engineering (Honours)
Mechanical & Manufacturing Engineering

Year 1 Modules

**Semester 1**
- Engineering Maths 1
- Physics
- Materials 1
- Engineering Drawing
- Engineering Professionalism
- Mechanical Systems

**Semester 2**
- Mechanical Systems
- Engineering Mechanics
- Computer Aided Drafting
- Electrical Science
- Intro to Engineering Calculus
- Manufacturing Systems

About the course
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.

Streams include: biomedical engineering, automation and additive manufacturing.

* H5 or better in Lab Science or technical subject compensates for not making the required maths grade.

Career opportunities
- Graduates of the course may find work in the following areas:
  - Process Design and Improvement
  - Enterprise Resource & Facilities Management
  - Product Design & Development
  - Manufacturing Engineering
  - Research & Development
  - Quality Management
- Past graduates are with international industry including Bausch & Lomb, Boston Scientific, Sanofi, Intel, Stryker, De Puy and Radley Engineering.

Bachelor of Engineering (Honours)
Mechanical Engineering

Year 1 Modules

**Semester 1**
- Engineering Mathematics 1
- Mechatronics 1
- Static Mechanics
- Computer Aided Drafting
- Technical Communications

**Semester 2**
- Engineering Mathematics 2
- Mechatronics 2
- Dynamic Mechanics
- Workshop Practices
- Fluid Mechanics 1

About the course
Mechanical engineering is one of the most diverse of the engineering disciplines. It deals with the design and manufacture of everything, from small individual parts and devices to large systems.

A mechanical engineer takes ideas from concept to reality. It requires specialist engineering knowledge combined with creative thinking, problem solving, team working and analytical skills.

The course equips graduates with specialist skills required to manage complete mechanical engineering processes - from design through to output.

Career opportunities
Mechanical engineers work in a diverse range of industries including: automotive; aerospace; biotechnology; computers and electronics; microelectromechanical systems; energy conversion; environmental control; automation and manufacturing.

Graduates will have a variety of career options open to them such as working in industry, government, consultancy or research centres.
Bachelor of Engineering
Mechanical Engineering

About the course
Mechanical engineering is one of the most diverse of the engineering disciplines. It deals with the design and manufacture of everything, from small individual parts and devices to large systems.

A mechanical engineer takes ideas from concept to reality. It requires specialist engineering knowledge combined with creative thinking, problem solving, team working and analytical skills.

Career opportunities
Mechanical engineers work in a diverse range of industries including: automotive; aerospace; biotechnology; computers and electronics; microelectromechanical systems; energy conversion; environmental control; automation and manufacturing.

Graduates will have a variety of career options open to them such as working in industry, government, consultancy or research centres.

Year 1 Modules
 Semester 1
Engineering Mathematics 1
Mechatronics 1
Static Mechanics
Computer Aided Drafting
Technical Communications
 Semester 2
Engineering Mathematics 2
Mechatronics 2
Dynamic Mechanics
Workshop Practices
Fluid Mechanics 1

About the course
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.

Career opportunities
Graduates of BEng in Mechanical Engineering have found employment in such areas as:

- Plant operation & maintenance
- CAD / Drawing Office
- CNC Programmer
- Manufacturing Engineering Support
- Assistant Design Engineer
- Technical Sales Person.

Year 1 Modules
 Semester 1
Electrical Technology
Fundamental Engineering Maths
Mechanical & Manufacturing Technology
Engineering Professionalism & Technology
Engineering Science
Mechanical Workshop
 Semester 2
Machine System
Introductory Calculus
Materials Technology 1
Mechanical Science
Engineering Drawing / CAD
Production Technology 1
# Higher Certificate in Engineering

## Mechanical Engineering

**Programme Director**
Paul Allen  
MEng  
E: paul.allen@setu.ie

**Year 1 Modules**
- **Semester 1**
  - Electrical Technology
  - Fundamental Engineering Maths
  - Mechanical & Manufacturing Technology
  - Engineering Professionalism & Technology
  - Engineering Science
  - Mechanical Workshop
- **Semester 2**
  - Machine System
  - Introductory Calculus
  - Materials Technology 1
  - Mechanical Science
  - Engineering Drawing / CAD
  - Production Technology 1

**About the course**
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.

**Career opportunities**
Graduates in the Higher Certificate in Engineering in Mechanical Engineering have found employment in such areas as:
- Plant operation and maintenance
- CAD/ Drawing Office
- CNC Programmer
- Manufacturing Engineering Support
- Assistant Design Engineer
- Technical Sales Person.

## Bachelor of Engineering

### Manufacturing Engineering

**Programme Director**
Dr Mary Doyle Kent  
Dr Techn  
E: mary.doyle-kent@setu.ie

**Year 1 Modules**
- **Semester 1**
  - Embedded Programming
  - Engineering Technology Project Specification
  - Manufacturing Execution Systems
  - Process Control for Manufacturing
  - Process Technology
  - Sustainability & Validation
- **Semester 2**
  - Design for Manufacturing & 3D Print
  - Engineering Tech Project Implement
  - Facility Simulation & Reliability
  - Lean & Six Sigma
  - Materials & Manufacturing Technology
  - Operations Strategy/Innovation

**About the course**
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.

**Career opportunities**
There is an unprecedented demand for Manufacturing Engineering Graduates locally, nationally and internationally in the pharmaceutical and biomedical industries, precision engineering and manufacturing companies as well as in design and automation specialists.

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**NFQ LEVEL**

**Higher Certificate in Engineering**  
6

**Bachelor of Engineering**  
7
## Bachelor of Engineering (Honours)  
### Electronic Systems

<table>
<thead>
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<th>COURSE CODE</th>
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<td>Carlow</td>
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<td>Dr Violeta McLoone PhD E: <a href="mailto:violeta.mcloone@setu.ie">violeta.mcloone@setu.ie</a></td>
</tr>
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</table>

### Year 1 Modules

- **Semester 1**
  - Mathematics & Computer Applications 1
  - Electronic Engineering Practice 1
  - Electrical & Electronic Fundamentals
  - Engineering Science
  - Programming Systems

- **Semester 2**
  - Mathematics & Computer Applications 2
  - Electronic Engineering Practice 2
  - Electrical & Electronic Circuits
  - Development on GNU/Linux
  - Technical Communications

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## Bachelor of Engineering  
### Electronic Engineering

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<td>Dr Violeta McLoone PhD E: <a href="mailto:violeta.mcloone@setu.ie">violeta.mcloone@setu.ie</a></td>
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### Year 1 Modules

- **Semester 1**
  - Mathematics & Computer Applications 1
  - Electronic Engineering Practice 1
  - Electrical & Electronic Fundamentals
  - Engineering Science
  - Programming Systems

- **Semester 2**
  - Mathematics & Computer Applications 2
  - Electronic Engineering Practice 2
  - Electrical & Electronic Circuits
  - Development on GNU/Linux
  - Technical Communications

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### About the course

**Electronics** is at the heart of everyday life. Mobile and medical devices, vehicles, renewable energy systems, robots are now ubiquitous. As these technologies evolve, electronic engineers are at the forefront of this technological revolution. Electronic engineers work on cutting-edge research and development (R&D), semi-conductor fabrication, design, prototyping and software development. The course is a blend of theory, practical classes and hands-on project-based learning.

**Career opportunities**

Electronic engineers have a wealth of career prospects to choose from. Ireland is home to most of the multinational technology and biomedical giants, such as Intel, Analog Devices, Apple, Boston Scientific, Medtronic, Google, Facebook, to name but a few.

Graduates can pursue careers in research and development, design, development, implementation and integration, software, sales and more.
Bachelor of Engineering
Electronic Engineering

About the course
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.

Career opportunities
Career opportunities for BEng in Electronic Engineering graduates:
- 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.

Higher Certificate in Engineering
Electronic Engineering

About the course
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 involves the design, development, manufacture and application of electronic devices and circuits.

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.
An apprenticeship is a training course that gives students the opportunity to earn a salary as an employee while gaining valuable knowledge and skills in a chosen field. Training is both on-the-job and in a third level setting, combining both practical skills and theory based knowledge for a qualification which is on the National Framework of Qualifications and is recognised internationally.

## SETU Apprenticeships

### Construction
- Geo Drilling – Level 6
- Brick and Stonelaying – Level 6
- Plumbing – Level 6
- Carpentry and Joinery – Level 6

### Biopharma
- Laboratory Analyst – Level 7
- Laboratory Technician – Level 6

### Motor
- Motor Mechanics – Level 6

### Electrical
- Electrical – Level 6
- Instrumentation – Level 6
- Electrical Instrumentation – Level 6
- Electronic Security Systems – Level 6

## How to become an apprentice

To find an apprenticeship, you can search apprenticeship vacancies on: www.apprenticeship.ie.

For more information on apprenticeships at SETU visit: www.setu.ie/apprenticeships
Bachelor of Science (Honours)
TV & Media Production

About the course
The Bachelor of Science (Honours) in TV and Media Production is a hands-on course where students find themselves completely immersed in the practical world of media production. This course allows students to practically apply and develop skills in writing, editing, camera, sound and graphics over the four years. It also offers students the theoretical and legal backdrop for their career in TV and media production.

Career opportunities
The range of career options open to graduates of this course is extensive and includes roles such as:
- Production manager
- Media content researcher
- Director/producer for TV
- Web developer
- Media entrepreneur.

Year 1 Modules

Semester 1
- Intro to TV Studio Production 1
- Intro to Production
- Visual Culture
- Intro to Audio
- Principles of Light

Semester 2
- Intro to Single Camera Production
- Intro to Post Production
- Writing for the Screen
- Media Skills
- Principles of Sound

Bachelor of Science
TV & Media Production

About the course
The Bachelor of Science in TV and Media Production is a hands-on course where students find themselves completely immersed in the practical world of media production. Graduates of this course will be equipped to:
- Design content for interactive websites
- Research, plan and manage TV and film productions

Career opportunities
The range of career options open to graduates of this course is extensive and includes roles such as:
- Production manager
- Media content researcher
- Director/producer for TV
- Web developer
- Media entrepreneur.

Year 1 Modules

Semester 1
- Intro to TV Studio Production 1
- Intro to Production
- Visual Culture
- Intro to Audio
- Principles of Light

Semester 2
- Intro to Single Camera Production
- Intro to Post Production
- Writing for the Screen
- Media Skills
- Principles of Sound
Bachelor of Arts (Honours)
Public Relations & Media

**Year 1 Modules**

**Semester 1**
- Information Technology
- Intro to Media Studies 1
- Professional Writing & Research in the Digital Age
- Intro & History of Public Relations
- Intro to Digital Marketing

**Semester 2**
- Social Psychology
- Intro to Media Studies 2
- Management
- Theories & Best Ethical Practice of Public Relations
- Social Media Marketing

**About the course**
This degree provides graduates with key skills for media and creative industries including radio and television presentation, video editing, digital design, media writing and journalism.

Expert knowledge and state-of-the-art facilities prepare graduates for a range of workplaces including radio, social media and exciting roles in the communications departments of local and global companies.

The course combines a mix of practical and theoretical media and PR subjects.

**Career opportunities**
Students graduate with business knowledge, technical know-how and a digital portfolio of their creative work.

Career opportunities include communications departments of global businesses, radio stations, online media companies and many graduates go on to set up their own independent companies.

This degree provides learners with all the skills they need to start a career in these exciting and fast-paced environments.

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**Year 1 Modules**

**Semester 1**
- Information Technology
- Intro to Media Studies 1
- Professional Writing & Research in the Digital Age
- Intro & History of Public Relations
- Intro to Digital Marketing

**Semester 2**
- Social Psychology
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# Bachelor of Arts (Honours)  
## Product Design Innovation

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<td>Carlow</td>
<td>Round 1: 246</td>
<td>2 subjects: H5, 4 subjects: O6/H7, English or Irish: O6/H7, Mathematics: O6/H7</td>
<td>Dr Susan Connolly PhD E: <a href="mailto:susan.connolly@setu.ie">susan.connolly@setu.ie</a></td>
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</table>

### About the course
Product Design Innovation develops deep insight into how people choose to live, work and play.

Using design-thinking, research, process and practice, human-centred solutions are created to assist people engage and perform at their best.

Design is a creative and collaborative activity which uses a design-led approach to identify and develop new products and services to enhance and improve people’s lives.

### Career opportunities
Our graduates are employed across a wide range of sectors, from services and manufacturing to hi-tech and pharmaceuticals.

Specialisms include: product and industrial design consultancy; furniture and environmental design; visual communications; packaging and the print sectors; web; digital technologies and user-experience (UX).

### Year 1 Modules

#### Semester 1
- Digital Presentation
- Digital Modelling & Materials
- Workshop Practice
- Design Discourse

#### Semester 2
- Design Studio 1 (Skills & Process)
- Digital Communications
- Digital Modelling & Process
- Ergonomics & Model Making
- Design Trends

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# Bachelor of Arts  
## Design

<table>
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<th>COURSE CODE</th>
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<td>Round 1: 241</td>
<td>5 subjects: O6/H7, English or Irish: O6/H7, Mathematics: O6/H7</td>
<td>Dr Brian Casey PhD E: <a href="mailto:brian.casey@setu.ie">brian.casey@setu.ie</a></td>
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### About the course
Throughout this course learners will be brought through the design process of problem identification, understanding user needs, exploring concepts, prototyping solutions and developing final designs. Through this project focused, hands on approach, they will learn the skills of sketching, model making, creative problem solving, digital design skills, and research and discovery.

Graduates may be eligible to progress to Year 4 of the BA (Hons) in Product Design Innovation (SE202).

### Career opportunities
Our graduates are employed across a wide range of sectors, from services and manufacturing to hi-tech and pharmaceutical.

Specialisms include: product and industrial design consultancy; furniture and environmental design; visual communications; packaging and the print sectors; web; digital technologies and user-experience (UX).

### Year 1 Modules

#### Semester 1
- Digital Presentation
- Digital Modelling & Materials
- Workshop Practice
- Design Discourse

#### Semester 2
- Design Studio 1 (Skills & Process)
- Digital Communications
- Digital Modelling & Process
- Ergonomics & Model Making
- Design Trends
Bachelor of Arts (Honours)  
Design (Visual Communications)

**About the course**

Visual Communication also referred to as graphic design covers several topics such as illustration, typography, print and screen graphics, packaging and page layout.

The course includes the creation of artwork for the print and screen graphic using traditional skills and design software packages, i.e., the Adobe suite and Apple Macintosh computers.

**Career opportunities**

Graphic Designer in a Graphic Design Company or as an In-house Graphic Designer in a large company, or as a sole trader.

Graphic designers can work in packaging, corporate identities, advertising, book publishing, illustration, printed or screen graphics and typography.

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Bachelor of Arts (Honours)  
Visual Art

**About the course**

Art as a subject taught at third level encourages self-expression and creativity while building confidence and creative skills as well as a sense of individual identity.

Most important, studying Visual Art at SETU Waterford helps to develop students critical thinking and the ability to interpret the world around us through determination and resilience while opening up new possibilities.

**Career opportunities**

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

- Art Teacher
- Arts Administrator
- Workshop Facilitator
- Arts Management
- Photography
- Gallery Curator.

Follow on study options:

- Masters in Fine Art
- Taught MA in Art & Heritage Management
- Masters by Research
- Art & Design Education.
Bachelor of Arts (Honours)

Visual Communications & Design

**About the course**
Visual Communications and Design is a problem-solving studio practice that uses image, text, print and screen to communicate messages.

Based around the principles and processes of graphic design, students incorporate traditional skills of illustration, printing, photography, typography and other graphic processes with the digital realms of video, web and screen design.

**Career opportunities**
Our graduates are employed across a wide range of sectors.

From advertising agencies to printing companies, from web design companies to in-house designers.

Specialisms include: brand designer, illustrators, web designer, app designer, UX/UI designers, photography, desktop publishing, packaging design and digital media.

Graduates also find careers in the broader areas of digital marketing.

**Year 1 Modules**

**Semester 1**
- Visual Studies - Skills Based Workshops
- Visual Studies - Notebook Research
- Visual Studies - Colour, Drawing, 3D
- Art & Design: Themes & Contexts

**Semester 2**
- Digital Media Design
- Visual Studies Themed Project
- Photography & Video
- Visual & Material Culture

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Bachelor of Arts

Visual Communications & Design

**About the course**
Visual Communications and Design is a problem-solving studio practice that uses image, text, print and screen to communicate messages.

Based around the principles and processes of graphic design, students incorporate traditional skills of illustration, printing, photography, typography and other graphic processes with the digital realms of video, web and screen design.

**Career opportunities**
Our graduates are employed across a wide range of sectors.

From advertising agencies to printing companies, from web design companies to in-house designers.

Specialisms include: brand designer, illustrators, web designer, app designer, UX/UI designers, photography, desktop publishing, packaging design and digital media.

Graduates also find careers in the broader areas of digital marketing.

**Year 1 Modules**

**Semester 1**
- Visual Studies - Skills Based Workshops
- Visual Studies - Notebook Research
- Visual Studies - Colour, Drawing, 3D
- Art & Design: Themes & Contexts

**Semester 2**
- Digital Media Design
- Visual Studies Themed Project
- Photography & Video
- Visual & Material Culture
Bachelor of Arts (Honours)  
Art

Programme Director
Dr Ciara Healy-Musson, PhD  
E: ciara.healymusson@setu.ie  
Brian Garvey, MA  
E: brian.garvey@setu.ie

Entry Requirements
2 subjects: H5  
4 subjects: O6/H7  
English or Irish: O6/H7

Career Opportunities
Your career opportunities can be in your chosen art specialism. You will also be qualified to work in related fields like film, photography, theatre, information technology, art handling, exhibition installation, community arts and arts administration. Your visual cultural training will enable you to become an art critic or writer.

Year 1 Modules
Semester 1  
Visual Studies Colour, Drawing, 3D  
Visual Studies Skills Workshops  
Visual Studies Notebook Research  
Art & Design: Themes & Contexts  
Semester 2  
Visual Studies Themed Project  
Digital Media Design  
Photography & Video  
Visual & Material Culture

About the course
The course provides specialist training to a professional level.
First year is interdisciplinary with electives in painting or sculpture practices in Years 2 and 3 complemented by theory lectures, group critique and professional practice.
The course fosters a learning environment for the development of independent creative individuals with the ability to sustain a unique art practice and world view.

** Entry through a combination of leaving cert points and portfolio.

Programme Duration
Wexford
SE207
4 Years

Programme Director
Brian Garvey, MA  
E: brian.garvey@setu.ie  
Dr Ciara Healy-Musson, PhD  
E: ciara.healymusson@setu.ie

Entry Requirements
5 subjects: O6/H7  
English or Irish: O6/H7

About the course
The course provides specialist training to a professional level.
First year is interdisciplinary with electives in painting or sculpture practices in Years 2 and 3 complemented by theory lectures and professional practice.
The course fosters a learning environment for the development of independent creative individuals with an emphasis on developing a unique art practice.

** Entry through a combination of leaving cert points and portfolio.

Career Opportunities
You will be able to commence your career as a professional artist, an artist’s assistant or studio manager. You will also be qualified to work in related fields like film, photography, theatre, information technology, art handling, exhibition installation, community arts and arts administration. Your art history and cultural studies training will enable you to become an art critic or writer.

Programme Duration
Wexford
SE211
3 Years

Year 1 Modules
Semester 1  
Visual Studies Colour, Drawing, 3D  
Visual Studies Skills Workshops  
Visual Studies Notebook Research  
Art & Design: Themes & Contexts  
Semester 2  
Visual Studies Themed Project  
Digital Media Design  
Photography & Video  
Visual & Material Culture

South East Technological University  MEDIA, DESIGN & MUSIC
### Bachelor of Arts (Honours) Music

<table>
<thead>
<tr>
<th>COURSE CODE</th>
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<td>Dr Hazel Farrell PhD E: <a href="mailto:hazel.farrell@setu.ie">hazel.farrell@setu.ie</a></td>
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**About the course**

The BA (Honours) in Music is a four year full-time degree which aims to give the student a well-rounded third level music education. The course offers a balance between practical and theoretical modules within the context of the principal music genres (classical, Irish traditional, jazz and popular). In Year 4 students can specialise in Performance, Composition, Research, or Music Technology.

**Career opportunities**

A degree in music is a valuable asset for access to many other careers. Music graduates are sought after in professions which demand a high level of personal confidence, communication skills and expressive ability. Graduates are employed in:

- Performing
- Music Publishing & Editing
- Multi-media Composition & Arranging
- Music Therapy
- Music Journalism
- Education
- Sound Design
- Arts Management.

*As this is a restricted course, applicants must apply by 1 February.

**OTHER REQUIREMENTS**

In addition to Leaving Certificate, students are required to audition on a musical instrument/voice demonstrating a performance standard 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.

### Year 1 Modules

**Semester 1**

- Aural Skills 1
- Critical Thinking & Writing Skills
- Music History 1 - The History of Early Music to the Baroque
- Music Technology 1
- Performance 1
- Rudiments of Music 1

**Semester 2**

- Music History 2: Popular Music
- Music Research Methodologies
- Music Technology 2
- Musicianship 1: Vocal & Irish Traditional
- Music Skills Performance 2
- Rudiments of Music 2
# Bachelor of Laws (Honours)
## Law (LLB)

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<th>COURSE CODE</th>
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<td>Grainne Callanan LLM E: <a href="mailto:grainne.callanan@setu.ie">grainne.callanan@setu.ie</a></td>
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<td>COURSE DURATION: 4 YEARS</td>
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### Year 1 Modules
- **Semester 1**
  - Government & Politics of Ireland
  - Intro to Civil Liability 1
  - Intro to Family Relationships & the Law
  - Legal Methods
  - Legal Skills 1
  - The Irish Legal System 1
- **Semester 2**
  - Children, Law & Society
  - Current Legal Issues
  - Intro to Civil Liability 2
  - Law & Social Justice
  - Legal Skills 2
  - The Irish Legal System 2

### About the course
The Bachelor of Laws (Honours) (LL.B.) is a four-year programme that is both challenging and stimulating. As well as providing a broad-based legal education, our law degree equips students with analytical, problem-solving, communication and research skills.

### Career opportunities
Career opportunities are diverse. Many graduates pursue legal professional careers e.g. solicitor or barrister. Others pursue careers where legal knowledge is essential including the careers in banking, finance, governance, insurance, public service, journalism and politics.

The degree is recognised by the Law Society and an approved degree for entry to King’s Inns.

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# Bachelor of Laws (Honours)
## Law (LLB)

<table>
<thead>
<tr>
<th>COURSE CODE</th>
<th>LOCATION</th>
<th>CAO POINTS 2021</th>
<th>ENTRY REQUIREMENTS</th>
<th>PROGRAMME DIRECTOR</th>
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<tbody>
<tr>
<td>SE405</td>
<td>Carlow</td>
<td>Round 1: 292</td>
<td>2 subjects: H5 4 subjects: O6/H7 English: O3/H6</td>
<td>John Tully LLM E: <a href="mailto:john.tully@setu.ie">john.tully@setu.ie</a></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>COURSE DURATION: 3 YEARS</td>
<td></td>
</tr>
</tbody>
</table>

### Year 1 Modules
- **Semester 1**
  - Tort Law 1
  - The Irish Legal System 1
  - Criminal Law 1
  - Legal Research & Communications
  - Constitutional Law 1
- **Semester 2**
  - Tort Law 2
  - The Irish Legal System 2
  - Criminal Law 2
  - Legal Practice & Procedure
  - Constitutional Law 2

### About the course
The LLB is a traditional law degree offering a curriculum of core and elective law subjects.

Students are encouraged and supported in acquiring skills in legal analysis, legal research and both written and verbal communication.

The course seeks to impart a sound understanding of law and the intellectual foundation necessary to prepare for a career as a legal professional.

### Career opportunities
A law degree provides excellent preparation for work in a legal capacity in both the public and private sectors, and most graduates undertake professional training to qualify as a solicitor or barrister. However, there are many other careers for which a law degree is advantageous, such as journalism, business, politics, human resources, mediation, research, policing and education.

The degree is recognised by the Law Society and an approved degree for entry to King’s Inns.
Bachelor of Arts (Honours)
Criminal Justice Studies

Year 1 Modules
Semester 1
Intro to Criminal Justice Studies
Intro to Psychology
Intro to Sociological Problems
Irish Law & Governance
Social Policy, Poverty & Social Exclusion
Critical Thinking & Writing Skills
Semester 2
Applied Forensics
Irish Fundamental Rights
Irish Social Policy
Irish Law & Governance 2
Sociology of Contemporary Ireland
Intro to Research

About the course
The Bachelor of Arts (Honours) in Criminal Justice Studies is a multi-disciplinary course aimed at developing the knowledge and competencies required to work or pursue further study in a wide variety of areas within the criminal justice system.

Students will study an array of modules from various disciplines including law, criminology, psychology, sociology and social policy.

Career opportunities
• An Garda Síochána
• Irish Prison Service
• Victim Support Organisations
• Post-Prison Organisations
• Youth Diversion Schemes
• Civil Service such as Department of Justice
• Postgraduate Research and Academia
• Anti-Fraud and Compliance
• Journalism.

Higher Certificate in Arts
Legal Studies

Year 1 Modules
Semester 1
Information Skills
Information Technology & Applications
Intro to the Irish Legal System 1,
Intro to Commercial Law
Intro to Contract Law
Intro to Crime
Semester 2
Legal Writing Skills
Intro to Labour Law
Intro to Land Law
Intro to Torts
Intro to the Irish Legal System 2
Legal Literacy & Research

About the course
This is a two year, entry-level 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’ Offices
• An Garda Síochána
• Civil Service
• Banks & Building Societies
• Insurance Companies and other regulated industries.

Progression
• BA in Legal Studies
• BA (Hons) in Legal Studies with Business
Higher Certificate in Arts
Legal Studies

About the course
Knowledge of the law and legal systems is important for people in many walks of life.

Legal studies provides the professional and scholarly skills necessary for a general understanding of the law, as well as for law-related careers, public service or further graduate level study.

Graduates may be eligible to progress to Year 2 of level 8 Law (LLB) course at our Carlow campus.

Career opportunities
Graduates of the higher certificate course have many diverse career options available to them including legal roles such as: legal executive, law clerk or legal secretary.

There are also a range of careers available in many sectors such as: the Garda; Defence Forces; government agencies; banking; property management; insurance, taxation; accounting; retail management.

Year 1 Modules
Semester 1
Business Financial Accounting 1
The Irish Legal System 1
IT for Business
Business Law 1
Legal Research & Communications
Semester 2
Business Financial Accounting 2
The Irish Legal System 2
Business Law 2
Management
Legal Office Fundamentals

COURSE CODE
SE423

LOCATION
Carlow

CAO POINTS 2021
Round 1: 174

COURSE DURATION
2 YEARS

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

PROGRAMME DIRECTOR
Ivan Sheeran
B.L.
E: ivan.sheeran@setu.ie

About the course
Knowledge of the law and legal systems is important for people in many walks of life.

Legal studies provides the professional and scholarly skills necessary for a general understanding of the law, as well as for law-related careers, public service or further graduate level study.

Graduates may be eligible to progress to Year 2 of level 8 Law (LLB) course at our Carlow campus.

Career opportunities
Graduates of the higher certificate course have many diverse career options available to them including legal roles such as: legal executive, law clerk or legal secretary.

There are also a range of careers available in many sectors such as: the Garda; Defence Forces; government agencies; banking; property management; insurance, taxation; accounting; retail management.

Year 1 Modules
Semester 1
Business Financial Accounting 1
The Irish Legal System 1
IT for Business
Business Law 1
Legal Research & Communications
Semester 2
Business Financial Accounting 2
The Irish Legal System 2
Business Law 2
Management
Legal Office Fundamentals
EARLY YEARS EDUCATION

Programme Director

Mary Beare Aust, MA
E: mary.aust@setu.ie

Dr Lillian Byrne, PhD
E: lillian.byrne@setu.ie

Entry Requirements

- 2 subjects: H5
- 4 subjects: O6/H7
- English or Irish: O6/H7
- Garda vetting required

CAO Points 2021

Round 1:
- 290 Carlow SE913
- 260 Wexford SE912

Course Code

Course Duration:
- 4 YEARS
About the course

The BA (Honours) in Early Childhood Care and Education is a four year course.

The course is designed under four important academic foundations namely, theory, practice, research and reflective integration.

The course aims to produce professionally qualified graduates who can work in a range of early years’ contexts, working with children up to 8 years in care, education or both.

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.

About the course

Early childhood education and practice involves supporting babies and young children become competent and confident learners through loving relationships with others.

Research indicates that the higher the professional qualification of the educator working with the children, the higher the quality of the setting and the children’s experiences in it.

This four year programme has a practical focus embedded in each year of study.

Career opportunities

Professional employment opportunities can include roles as room leaders, managers and leaders in early childhood settings such as: pre-schools; crèches; special needs services; family support centres and community services.

Other roles include leadership in county childhood care committees, specialists with Better Start National Early Years Quality Development or inspectors with the Department of Education and Skills.
Bachelor of Education
Early Childhood Education & Practice

About the course
The programme has a practical focus embedded in each year of study.

This equips graduates with theoretical, policy, legal, and practical knowledge required to work competently and safely in early years education.

Students learn through scaffolded learning activities in individual and group activities.

Career opportunities
Graduates work in early years services tailoring learning experiences to children’s developmental needs, supporting parents, managing services and working in professional representative organisations.

Graduates can also be involved in national governance and policy development, and student education.

Graduates can progress to the Level 8 programme at Carlow or elsewhere.

Such wide-ranging career opportunities ensures early childhood education is a rewarding and diverse profession.

Year 1 Modules

<table>
<thead>
<tr>
<th>Semester 1</th>
<th>Semester 2</th>
</tr>
</thead>
</table>

Academic Writing & Enquiry in Higher Education
Intro to Sociology
Creative Arts Practice in Early Childhood
Intro to Psychology
Early Childhood Education & Practice

Play-based Pedagogy
Intro to Children’s Social Policy
Children’s Health, Care & Wellbeing
Child Development
Supervised Professional Practice 1
Bachelor of Arts (Honours)

Art

About the course
Our arts degree is a three year joint honours degree that allows students to undertake three subject areas in Year 1 and choose two of these for completion in Years 2 and 3.

With a wide range of possible combinations, students graduate with a unique degree and develop a questioning and creative approach to the modern world and key skills that focus on being future ready. Students can opt to study abroad for a year on this programme.

Career opportunities
The arts degree, running since 2008, has graduates working in a diverse range of careers, many go on to complete postgraduate qualifications and work in traditional teaching and research based careers across the primary, secondary and third-level sectors.

Graduates take up diverse roles in the creative arts, social sciences, business, communications, marketing, design, chaplaincy and IT.

Bachelor of Arts (Honours)

Social Science

About the course
The BA (Honours) 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.

Career opportunities
Social Science graduates are employed in a variety of professions across the public and private sectors, such as:
- Social work
- Human resource management
- Occupational therapy
- Non-governmental organisations (NGOs)
- Gardaí
- Primary school teaching
- Research
- Probation services
- Administration.

Year 1 Modules
First year is a time to work out what each area of study is about before deciding on the two subjects for your degree.

Students take introductory modules in three disciplines from:
- Social Sciences
- Languages,
- English
- Theatre
- Religion
- Non-traditional pathways into Law and Psychology.

We support first years in their move into third level socially and academically.
Bachelor of Arts (Honours)  
Applied Social Studies in Professional Social Care

Year 1 Modules

<table>
<thead>
<tr>
<th>Semester 1</th>
<th>Semester 2</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Professional Social Care Theory &amp; Practice</strong></td>
<td><strong>Professional Social Care Practice: Contexts, Models &amp; Legal System</strong></td>
</tr>
<tr>
<td><strong>Intro to Sociology for Social Care Practice</strong></td>
<td><strong>Intro to Social Policy for Social Care Practice</strong></td>
</tr>
<tr>
<td><strong>Creative Skills 1</strong></td>
<td><strong>Lifespan Development &amp; Individual Difference</strong></td>
</tr>
<tr>
<td><strong>Communications, Research &amp; Study Skills</strong></td>
<td><strong>Safeguarding Children &amp; Vulnerable Persons</strong></td>
</tr>
<tr>
<td><strong>Intro to Psychology</strong></td>
<td><strong>Health &amp; Safety in Social Care Practice</strong></td>
</tr>
</tbody>
</table>

About the course

This course prepares graduates to work in social care, providing support and assistance to vulnerable people in community and residential services.

The course includes a 12 week placement in a social care agency in both 2nd and 3rd year (400 hours each year).

Offers for the course may be withdrawn if applicants do not successfully complete the Garda vetting process.

Career opportunities

Graduates are able to take up front line positions in a diverse range of social care services and will act as a base for project coordination, supervision and management. These include residential services (adolescent, vulnerable older people); community development, family support, community child care and community disability services.

Year 1 Modules

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<tr>
<th>Semester 1</th>
<th>Semester 2</th>
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<td>Professional Social Care Theory &amp; Practice</td>
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</tr>
<tr>
<td>Communications, Research &amp; Study Skills</td>
<td>Professional Social Care Practice Contexts Models &amp; Legal System</td>
</tr>
<tr>
<td>Intro to Psychology</td>
<td>Creative Skills 1</td>
</tr>
</tbody>
</table>

About the course

Social care professionals provide vital support, advocacy and care to some of the most vulnerable and marginalised groups in society including: people with disabilities, children and families at risk, asylum seekers, people with addiction, mental health issues and the elderly.

The course provides graduates with the expertise to work across this diverse sector and includes a 12 week placement in a social care setting in both second and third year (400 hours each year).

Career opportunities

The course provides graduates with the skills and expertise to work in the social care profession and work across this diverse sector, in fields such as residential care, disability and community-based services.
**Bachelor of Arts**  
**Professional Social Care Practice**

<table>
<thead>
<tr>
<th>COURSE CODE</th>
<th>LOCATION</th>
<th>CAO POINTS 2021</th>
<th>ENTRY REQUIREMENTS</th>
<th>PROGRAMME DIRECTOR</th>
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<tbody>
<tr>
<td>SE926</td>
<td>Carlow</td>
<td>Round 1: 271</td>
<td>5 subjects: O6/H7, English or Irish: O6/H7, Garda vetting required</td>
<td>Dr Sheila Long, PhD, Danielle Douglas</td>
</tr>
</tbody>
</table>

**About the course**

Social care professionals provide vital support, advocacy and care to some of the most vulnerable and marginalised groups in society including: people with disabilities, children and families at risk, asylum seekers, people with addiction, mental health issues and the elderly.

The course provides graduates with the expertise to work across this diverse sector and includes a 12 week placement in a social care setting in both second and third year (400 hours each year).

**Career opportunities**

The course provides graduates with the skills and expertise to work in the social care profession and work across this diverse sector, in fields such as residential care, disability and community-based services.

Graduates may be eligible to progress to our level 8 Professional Social Care Practice course at our Carlow campus.

<table>
<thead>
<tr>
<th>Year 1 Modules</th>
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<tr>
<td>Semester 1</td>
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<td>Intro to Sociology for Social Care Practice</td>
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<tr>
<td>Professional Social Care Theory &amp; Practice</td>
</tr>
<tr>
<td>Communications, Research &amp; Study Skills</td>
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</tbody>
</table>

| Semester 2 |
| Intro to Social Policy for Social Care Practice |
| Safeguarding Children & Vulnerable Persons |
| Lifespan Development & Individual Difference |
| Professional Social Care Practice Contexts Models & Legal System |
| Creative Skills 1 |

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**Bachelor of Arts (Honours)**  
**Social Care Practice**

<table>
<thead>
<tr>
<th>COURSE CODE</th>
<th>LOCATION</th>
<th>CAO POINTS 2021</th>
<th>ENTRY REQUIREMENTS</th>
<th>PROGRAMME DIRECTOR</th>
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<tr>
<td>SE919</td>
<td>Waterford – College Street</td>
<td>Round 1: 271</td>
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<td>Dr Sheila Long, PhD, Danielle Douglas</td>
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</tbody>
</table>

**About the course**

This is a four year level 8 course designed to prepare students for professional careers in Social Care Work and facilitate students who wish to pursue a specific area of interest.

The aim of the course is to develop critically reflective, skilled and ethically aware practitioners with the capacity to build professional relationships, in partnership with vulnerable individuals.

**Career opportunities**

Graduates of the BA in Social Care Practice may take up employment in the public, private or community based care sectors. Social Care Workers work with:

- Children and adolescents in residential care
- People with physical, intellectual and or sensory disabilities
- People or families experiencing homelessness
- People with alcohol/drug dependency
- Families in the community
- Older people.

<table>
<thead>
<tr>
<th>Year 1 Modules</th>
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</thead>
<tbody>
<tr>
<td>Semester 1</td>
</tr>
<tr>
<td>Intro to Psychology</td>
</tr>
<tr>
<td>Social Policy &amp; Welfare</td>
</tr>
<tr>
<td>Intro to Sociological Problems</td>
</tr>
<tr>
<td>Critical &amp; Creative Thinking</td>
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<tr>
<td>Applied Creativity 1:</td>
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<tr>
<td>-Applied Social Studies in Context 1</td>
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<tr>
<td>-Creative Interventions 1</td>
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<tr>
<td>Semester 2</td>
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<tr>
<td>Social Care Law</td>
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<td>Developmental Psychology</td>
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<tr>
<td>Irish Social Policy</td>
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<tr>
<td>Understanding Sociological Perspectives</td>
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<tr>
<td>Applied Creativity 2:</td>
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<tr>
<td>-Applied Social Studies in Context 2</td>
</tr>
<tr>
<td>-Creative Interventions 2</td>
</tr>
<tr>
<td>Personal &amp; Professional Development: Social Care 2</td>
</tr>
</tbody>
</table>
Bachelor of Arts
Applied Social Care

Year 1 Modules
Semester 1
Applied Social Care 1
Disability
Intro to Sociology
Key Academic Skills for Social Care
Lifespan Development Psychology
Personal & Professional Development & Cultural Practice 1

Semester 2
Applied Social Care 2
Intro to Social Policy
Personal & Professional Development & Cultural Practice 2
Psychological Disorder & Mental Health
Social Care Law 1
Vulnerable Youth in Contemporary Ireland

About the course
The BA in Applied Social Care is a three year course of study. The course is designed to prepare students for professional careers in Social Care Work.

The overall aim is to develop reflective and ethically-aware practitioners with the capacity to build professional relationships, in partnership with vulnerable individuals and groups who experience marginalisation or disadvantage.

Progression
Bachelor of Arts (Hons) Applied Social Studies in Social Care.

Career opportunities
Graduates of the BA in Applied Social Care may take up employment in the public, private or community based care sectors. Social Care Workers may work with:
• Children and adolescents in residential care
• People with physical, intellectual and or sensory disabilities
• People or families experiencing homelessness
• People with alcohol/drug dependency
• Families in the community
• Older people.

ENTRY REQUIREMENTS
5 subjects: O6/H7
English or Irish: O6/H7
Garda vetting required

CAO POINTS 2021
Round 1: 181

LOCATION
Waterford – College Street

COURSE CODE
SE927

Victoria McDonagh
MA
E: victoria.mcdonagh@setu.ie

Programme Director

5 subjects: O6/H7
English or Irish: O6/H7
Garda vetting required

3 YEARS

Garda vetting required

COURSE DURATION
3 YEARS

LOCATION
Waterford – College Street

COURSE CODE
SE927

CAO POINTS 2021
Round 1: 181

ENTRY REQUIREMENTS
5 subjects: O6/H7
English or Irish: O6/H7
Garda vetting required

About the course
The BA in Applied Social Care is a three year course of study. The course is designed to prepare students for professional careers in Social Care Work.

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Graduates of the BA in Applied Social Care may take up employment in the public, private or community based care sectors. Social Care Workers may work with:
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• People or families experiencing homelessness
• People with alcohol/drug dependency
• Families in the community
• Older people.

Victoria McDonagh
MA
E: victoria.mcdonagh@setu.ie

Programme Director

5 subjects: O6/H7
English or Irish: O6/H7
Garda vetting required

3 YEARS

Garda vetting required

COURSE DURATION
3 YEARS

LOCATION
Waterford – College Street

COURSE CODE
SE927

CAO POINTS 2021
Round 1: 181

ENTRY REQUIREMENTS
5 subjects: O6/H7
English or Irish: O6/H7
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Progression
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• People with physical, intellectual and or sensory disabilities
• People or families experiencing homelessness
• People with alcohol/drug dependency
• Families in the community
• Older people.
HOSPITALITY, TOURISM & CULINARY ARTS

Fabrice Bartholin
MBA
E: fabrice.bartholin@setu.ie

CAO POINTS 2021
LOCATION

NEW COURSE Waterford SE924

COURSE DURATION
3 YEARS

5 subjects: O6/H7
English or Irish: O6/H7
Mathematics: O6/H7
Bachelor of Arts (Honours)
Hospitality Management

About the course
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.

During the first semester of year 3, students are required to complete a placement in a hospitality organisation.

Students may also undertake an Erasmus programme to study abroad for the second part of their third year.

Career opportunities
Students who complete the BA (Honours) in Hospitality Management can expect to find work opportunities at the junior management level in operations, human resources, finance or sales and marketing departments in a hotel.

Graduates can also consider careers in entertainment venues, restaurants, bars, casual dining, event management and contract catering.

Bachelor of Business
Tourism & Hospitality Services

About the course
This course is a three year full-time level 7 programme designed to provide students with the knowledge and skills required to perform effectively at the supervisory level within the tourism and hospitality services sector.

The programme aims to provide students with strong operational, business, management and marketing skills to enhance their supervisory expertise.

Career opportunities
The programme will enable graduates to perform effectively in a supervisor role in their chosen employment in Tourism or Hospitality services.

After successful completion of the programme, students also have the opportunity to progress to the level 8 BA (Honours) in Hospitality Management offered at the University.
Bachelor of Science (Honours)
Tourism & Event Management

About the course
Tourism is one of Ireland’s most important growing economic sectors supporting jobs on both a national and international level.

The tourism industry is largely driven by the sustainable promotion of natural and cultural heritage. A certificate in Regional Tour Guiding is available after Year 2.

Festivals and events are critical for tourism growth as they specifically attract both domestic and overseas visitors to Ireland and contribute significantly to the economy every year.

Career opportunities
Students on this course will develop a strong management background in the context of tourism and event management, this combined with transferable life skills will enable them to take up full-time positions in a diverse range of careers such as:

• Festival manager
• Event organiser
• Marketing executive
• Tourism executive
• Event planner
• Fundraising officer
• Entrepreneur.

Year 1 Modules

<table>
<thead>
<tr>
<th>Semester 1</th>
<th>Semester 2</th>
</tr>
</thead>
<tbody>
<tr>
<td>Academic &amp; Professional Skills</td>
<td>Customer Service in Practice</td>
</tr>
<tr>
<td>Statistics &amp; Forecasting</td>
<td>Irish Cultural Heritage</td>
</tr>
<tr>
<td>Principles of Event Management</td>
<td>Introduction to Tourism</td>
</tr>
<tr>
<td>Irish Natural Heritage &amp; Landscape</td>
<td>Investment Maths</td>
</tr>
<tr>
<td>Digital Skills</td>
<td>Event Management</td>
</tr>
</tbody>
</table>

Bachelor of Science
Tourism & Event Management

About the course
The course combines tourism and event modules with a strong business and entrepreneurial focus.

Event management has become an integral element of the Irish tourism offering. From project management, to designing websites, to understanding key management issues, this course equips students with the required knowledge and skill set to develop careers in this area. A certificate in Regional Tour Guiding is available after Year 2.

Career opportunities
Students on this course will develop a strong management background in the context of tourism and event management, this combined with transferable life skills will enable them to take up full-time positions in a diverse range of careers such as:

• Festival manager
• Event organiser
• Marketing executive
• Tourism executive
• Event planner
• Fundraising officer
• Entrepreneur.
Bachelor of Arts (Honours)
Culinary Arts

NFQ LEVEL 8

Year 1 Modules
Semester 1
- Critical & Creative Thinking
- Food Safety & Technology
- Fundamentals of Culinary Skills
- Intro to Gastronomy
- Elective options

Semester 2
- Development of Culinary Skills
- Development of Modern International Gastronomy
- Information & Communication Technology for Culinary Hospitality & Tourism
- Nutrition & Scientific Principles
- Elective options

About the course
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, specialty food production, sustainable practices and gastronomy.

Career opportunities
Our graduates have an international reputation for excellence.

Many are employed in leadership roles in restaurants, bars, bakeries, food product development, food retailing and food education, both nationally and internationally.

A growing number of graduates also open and develop their own businesses.

Higher Certificate in Arts
Culinary Arts

NFQ LEVEL 6

Year 1 Modules
Semester 1
- Academic Learning
- Culinary Skills 1.1
- Exploring Cookery
- Food Safety & Culinary Science
- Live Service 1.1
- Pastry 1.1

Semester 2
- Culinary Skills 1.2
- Live Service 1.2
- Culinary IT
- Pastry 1.2
- Career planning & work placement
- Cost Control for Culinary Operations

About the course
This two year programme is a fast paced course to prepare students for the culinary industry.

The course boasts an extensive selection of hands on practical modules married with some theoretical modules to afford students the opportunity to understand the underpinning theory and allow it to be the foundation to their practical endeavours.

Career opportunities
On successful completion of the programme a myriad of exciting opportunities are available to graduates including incremental progression in all culinary/hospitality providers, in positions of all grades as well as opportunities to travel and for further education.

Other opportunities may present to work in the wider food related circles and industries.
### About the course

A Common Entry course is a popular choice for students who have an interest in a discipline but are unsure of what career path they would like to follow. Common Entry courses allow students to study a broad range of subjects initially and then choose their preferred specialist area. This allows students more time to discover what interests them most.

### Course structure

The first year of this course provides students with a foundation in science, and subjects are common for all students. After Year 1, students separate into their chosen specialist area from the following:

- Biosciences with Biopharmaceuticals
- Brewing & Distilling
- Pharmaceutics & Drug Formulation

The course offers a blend of academic and practical skill development and work placement.

### Career Opportunities

This course allows graduates to gain an understanding of a solid science foundation, while also ensuring students have time to explore a wide range of career options. The course is designed to produce highly employable graduates to work within the biopharmaceutical, biotechnology and brewing and distilling industries. These sectors are rapidly evolving and offer excellent and varied employment options. Skills can be utilised globally so there are endless international opportunities.

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**Science — COMMON ENTRY Degree Options**

<table>
<thead>
<tr>
<th>STREAMS</th>
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</thead>
<tbody>
<tr>
<td>Biosciences with Biopharmaceuticals</td>
<td>SE500</td>
</tr>
<tr>
<td>Brewing &amp; Distilling</td>
<td>SE500</td>
</tr>
<tr>
<td>Pharmaceutics &amp; Drug Formulation</td>
<td>SE500</td>
</tr>
</tbody>
</table>

**ENTRY REQUIREMENTS**

- 2 subjects: H5
- 4 subjects: O6/H7
- English or Irish: O6/H7
- Mathematics: O6/H7
## COMMON ENTRY — Bachelor of Science (Honours)

### Biosciences with Biopharmaceuticals

<table>
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<td>Carlow</td>
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<td>SE500 (Level 8) Science (Common Entry)</td>
<td>Dr Anne-Marie Enright PhD</td>
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<td>E: <a href="mailto:anne-marie.enright@setu.ie">anne-marie.enright@setu.ie</a></td>
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<tr>
<td></td>
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<td>4 YEARS</td>
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</table>

**About the course**

Bioscience is the branch of science concerned with living organisms and is the foundation of many other schools of scientific inquiry, including biopharmaceuticals, which refers to medical drugs manufactured in living organisms such as bacteria, yeast and mammalian cells.

**Career opportunities**

The four year Biosciences with Biopharmaceuticals course is designed to produce highly employable graduates for the bioscience, biotechnology, biopharmaceutical science and food science industries. These sectors are rapidly evolving and offer excellent and varied employment options in quality control, quality assurance, technical, supervisory or management areas.

### Brewing & Distilling

<table>
<thead>
<tr>
<th>COURSE CODE</th>
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<th>ENTRY ROUTE</th>
<th>PROGRAMME DIRECTOR</th>
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<td>Dr David Ryan PhD</td>
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<td>E: <a href="mailto:david.ryan@setu.ie">david.ryan@setu.ie</a></td>
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<tr>
<td></td>
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<td>4 YEARS</td>
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**About the course**

Successful brewing and distilling requires the application of both scientific and engineering principles.

This four year course equips students with the necessary scientific knowledge and instrumentation competencies to work in the brewing and distilling industry.

Modules include product development, marketing and regulatory affairs. The course incorporates industry work placement in Year 3 and a research project in Year 4.

**Career opportunities**

This course in Brewing and Distilling is the first degree of this type in Ireland. We work closely with industry to ensure that all graduates from the programme will directly meet the requirements of their future employers in the brewing and distilling industries but will also be in a position to enter a research career, undertake further studies or start up their own venture.

### Year 1 Modules

**Semester 1**
- Fundamental Biology
- Chemistry 1
- Physics 1
- Laboratory Science
- Quantitative Methods 1

**Semester 2**
- Animal & Plant Biology
- Chemistry 2
- Physics 2
- Quantitative Methods 2
- Current Concepts in Science
COMMON ENTRY — Bachelor of Science (Honours)
Pharmaceutics & Drug Formulation

About the course
The purpose of this course is to produce graduates with the skills to make new pharmaceutical products, trouble-shoot problems in the stability of existing products, and in production proper.

This course is for you if you like science, enjoy analytical activities and problem solving, and want to study a course with a high level of practical laboratory work.

Career opportunities
• Primary and secondary pharmaceutical production
• Pharmaceutical product development and manufacture
• Quality control in high-volume mass-market manufacturing plant
• Cleanroom and water-treatment facilities.

Year 1 Modules
Semester 1
Fundamental Biology
Chemistry 1
Physics 1
Laboratory Science
Quantitative Methods 1

Semester 2
Animal & Plant Biology
Chemistry 2
Physics 2
Quantitative Methods 2
Current Concepts in Science

ENTRY ROUTE
SE500 (Level 8)
Science (Common Entry)

CAO POINTS 2021
Round 1: 266

LOCATION
Carlow

COURSE DURATION
4 YEARS

COURSE CODE
SE500

Dr Ariane Perez-Gavilan
PhD
E: ariane.perezgavilan@setu.ie

Programme Director

PROGRAMME DIRECTOR

South East Technological University
About the course

Science (Common Entry) was designed 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. This is a highly regarded hands-on practical based programme.

The modules of this course offer a good grounding in biology, chemistry, physics, mathematics, computing and good laboratory practice. Elective modules are also offered in specialised areas such as Food Science with Business, Molecular Biology with Biopharmaceutical Science, Pharmaceutical Science and Physics for Modern Technology.

Career opportunities

Career opportunities will be subject to your choice of specialist exit pathways. Science (Common Entry) is the gateway for four Level 8 BSc (Honours) degrees in SETU Waterford, which include the BSc (Honours) in Food Science and Innovation, BSc (Honours) in Molecular Biology with Biopharmaceutical Science, BSc (Honours) in Pharmaceutical Science, and BSc (Honours) in Physics for Modern Technology.

Science — COMMON ENTRY Degree Options

**SE501**

**Pharmaceutical Science**
BSc (Honours) – NFQ Level 8

**Molecular Biology with Biopharmaceutical Science**
BSc (Honours) – NFQ Level 8

**Food Science & Innovation**
BSc (Honours) – NFQ Level 8

**Physics for Modern Technology**
BSc (Honours) – NFQ Level 8

Follow on Study — MSc or PhD
**COMMON ENTRY — Bachelor of Science (Honours) **

**Pharmaceutical Science**

**About the course**
This stream from our Science common entry course aims to prepare graduates for the highly regulated pharmaceutical and biopharmaceutical industries.

Students gain experience in a broad range of scientific subject areas and laboratory instrumentation. A nine-month work placement is included in the third year of the course. A research project is also carried out in year 4.

**Career opportunities**
There is a very strong demand for graduates qualified in pharmaceutical science.

The South-East region has a hub of pharmaceutical and biopharmaceutical companies and SETU Waterford has well established links to these. Our graduates work as:

- Senior laboratory analysts
- Instrumentations specialists
- Quality Assurance specialist
- Industrial researchers
- Teachers (*Following PME).

**ENTRY 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.

**Year 1 Modules**

**Semester 1**
Introductory Biology
Introductory Chemistry
Introductory Physics
Intro to ICT for Scientists
Good Laboratory Practice & Core Skills

**Semester 2**
Cell Biology and Biochemistry
Mathematics for Scientists
Physical & Organic Chemistry
Physics for Scientists

**Choose two electives**
Intro to Biotechnology & Pharmaceutical Science
Intro to Food Science
Intro to Modern Physics
Plant Biology
Science & Society

**COMMON ENTRY — Bachelor of Science (Honours) **

**Molecular Biology with Biopharmaceutical Science**

**About the course**
This four year honours degree course can be chosen within the SE501 - Bachelor of Science (Honours) Common Entry Route.

You will be trained in processes such as analytical testing, advanced molecular biology techniques, microbiological analyses, biopharmaceutical technology and cell culturing techniques. You can choose between Work Placement or Study Abroad in Semester 2 of third year.

**Career opportunities**
Industry needs suitably qualified graduates with hands-on practical experience to be part of exciting developments in biopharmaceutical and related sciences. This course is designed to train you to work in the biopharmaceutical, biomedical, and/or food related industries.

The course will also train you for progression to further study such as postgraduate research and/or teaching.

**ENTRY 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.
**COMMON ENTRY — Bachelor of Science (Honours)**

**Food Science & Innovation**

<table>
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<tr>
<th>COURSE CODE</th>
<th>LOCATION</th>
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<th>ENTRY ROUTE</th>
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<tr>
<td>SE501</td>
<td>Waterford</td>
<td>Round 1: 279</td>
<td>SE501 (Level 8) Science (Common Entry)</td>
<td>Dr Elaine Duggan PhD <a href="mailto:elaine.duggan@setu.ie">elaine.duggan@setu.ie</a></td>
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**COURSE DURATION** 4 YEARS

**About the course**
This course will provide graduates with the skills to work in the various sectors of the food industry from food production to marketing and regulation.

The degree will train you in food manufacture, analysis, safety and nutrition in addition to marketing and innovation, giving you key skills for your future career. Industrial placement or study abroad option takes place in third year.

**Career opportunities**
Graduates have a wide range of excellent career opportunities with national and international companies in:
- Product innovation
- Production management
- Food quality assurance
- Sales and marketing
- Food business entrepreneur.

Graduates from this course also have the opportunity to progress to postgraduate study at both masters and PhD level.

* ENTRY 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.

**Year 1 Modules**

| Semester 1 | Introductory Biology  
Introductory Chemistry  
Introductory Physics  
Introductory Mathematics  
Intro to ICT for Scientists  
Good Laboratory Practice & Core Skills |
| Semester 2 | Cell Biology & Biochemistry  
Mathematics for Scientists  
Physical & Organic Chemistry  
Physics for Scientists |

*Choose two electives*
- Intro to Biotechnology & Pharmaceutical Science  
- Intro to Food Science  
- Intro to Modern Physics  
- Plant Biology  
- Science & Society

**COMMON ENTRY — Bachelor of Science (Honours)**

**Physics for Modern Technology**

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<td>SE501 (Level 8) Science (Common Entry)</td>
<td>Dr Claire Keary PhD <a href="mailto:claire.keary@setu.ie">claire.keary@setu.ie</a></td>
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</table>

**COURSE DURATION** 4 YEARS

**About the course**
This is a four year honours degree, which includes a semester of work placement. The course is interdisciplinary providing students with an understanding of the physics underlying modern technologies such as semiconductors, optics/ photonics, alternative energy, and sensor systems. Students develop complementary skills in the areas of physics, engineering, mathematics and programming.

**Career opportunities**
Graduates of this degree develop a range of transferable skills that are valued and much sought after by industry. Graduates find employment in industry and research in a range of sectors including: semiconductors, telecommunications/ photonics, medical physics, biomedical devices, alternative energy, automotive, meteorology, software development, ICT, teaching, astronomy and astrophysics.

* ENTRY 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.
Bachelor of Science
Science (General)

About the course
Science (General) was designed 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. This is a highly regarded hands-on practical based programme.

* ENTRY 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.

Career opportunities
Career opportunities will be subject to your choice of specialist exit pathways.

Science (General) is the gateway for three Level 7 BSc degrees in SETU Waterford, which include the BSc in Food Science with Business, BSc in Molecular Biology with Biopharmaceutical Science and BSc in Pharmaceutical Science.

Bachelor of Science
Food Science with Business

About the course
This course will provide graduates with the skills to work in the various aspects of the food industry from food processing development to quality control to marketing, regulation.

The degree will train you in food manufacture, analysis, safety and nutrition, giving you key skills for your future career. Industrial placement or study abroad option takes place in third year.

* ENTRY 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.
## Bachelor of Science (Honours)

### Pharmaceutical Science

<table>
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<tr>
<th>COURSE CODE</th>
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<td><a href="mailto:john.cleary@setu.ie">john.cleary@setu.ie</a></td>
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</table>

### Year 1 Modules
- Semester 1
  - Introductory Biology
  - Introductory Chemistry
  - Introductory Physics
  - Introductory Mathematics
  - Intro to ICT for Scientists
  - Good Laboratory Practice & Core Skills
- Semester 2
  - Cell Biology & Biochemistry
  - Mathematics for Scientists
  - Physical & Organic Chemistry
  - Physics for Scientists
  - Intro to Biotechnology & Pharmaceutical Science

### About the course
This is a four year, award winning, full-time honours degree course aimed at preparing graduates for the highly regulated pharmaceutical and biopharmaceutical industries.

Students gain experience in a broad range of scientific subject areas and laboratory instrumentation. A nine-month work placement is included in the third year of the course. A research project is also carried out in Year 4.

### Career opportunities
There is a very strong demand for graduates qualified in pharmaceutical science. The South-East region has a hub of pharmaceutical and biopharmaceutical companies and SETU Waterford has well established links to these. Our graduates work as:
- Senior laboratory analysts
- Instrumentations specialists
- Quality Assurance specialist
- Industrial researchers
- Teachers (*Following PME).

### Entry 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.

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## Bachelor of Science

### Pharmaceutical Science

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<td>E: <a href="mailto:kathleen.grennan@setu.ie">kathleen.grennan@setu.ie</a></td>
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### Year 1 Modules
- Semester 1
  - Introductory Biology
  - Introductory Chemistry
  - Introductory Physics
  - Introductory Mathematics
  - Intro to ICT for Scientists
  - Good Laboratory Practice & Core Skills
- Semester 2
  - Cell Biology & Biochemistry
  - Mathematics for Scientists
  - Physical & Organic Chemistry
  - Physics for Scientists
  - Intro to Biotechnology & Pharmaceutical Science

### About the course
This course enables graduates to obtain a worthwhile degree qualification after three years of study.

Students will study a broad range of science subjects that are of relevance to the pharmaceutical and related industries, and are important for the discovery, development and manufacture of drugs. A final year project allows the student to work independently on a relevant research area.

### Career opportunities
Pharmaceutical scientists design and develop new drugs, and devise cleaner, more efficient processes to manufacture them. Employment opportunities for pharmaceutical science graduates are excellent and extensive.

Graduates have found widespread employment in Ireland’s growing pharmaceutical industry in areas such as quality control, quality assurance and product research and development.

### Entry 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.
**Bachelor of Science Molecular Biology with Biopharmaceutical Science**

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

* see note below

**CAO POINTS 2021**
Round 1: AQA

**LOCATION**
Waterford

**COURSE CODE**
SE514

**COURSE DURATION**
3 YEARS

**Year 1 Modules**

**Semester 1**
- Introductory Biology
- Introductory Chemistry
- Introductory Physics
- Introductory Mathematics
- Intro to ICT for Scientists
- Good Laboratory Practice & Core Skills

**Semester 2**
- Cell Biology & Biochemistry
- Mathematics for Scientists
- Physical & Organic Chemistry
- Physics for Scientists
- Intro to Biotechnology & Pharmaceutical Science
- Choose one elective
  - Forensic Science
  - Plant Biology

**About the course**

This is a three year full-time course designed to train you to work in the areas of biopharmaceutical, biomedical, environmental or food related industries. Students are trained in traditional and advanced molecular biology techniques, analytical testing and microbiological analyses, including specialist scientific skills in areas such as microbiology, biotechnology and quality.

* ENTRY 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.

**Career opportunities**

There are many career opportunities, for instance you could become a:
- Biopharmaceutical Laboratory Analyst
- Molecular Biology Laboratory Analyst
- Microbiology Laboratory Analyst
- Environmental Laboratory Analyst
- Quality Control Analyst (QC Analyst)
- Quality Assurance Representative (QA Rep).

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**Bachelor of Science Analytical Science**

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

**CAO POINTS 2021**
Round 1: 261

**LOCATION**
Carlow

**COURSE CODE**
SE513

**COURSE DURATION**
3 YEARS

**Year 1 Modules**

**Semester 1**
- Fundamental Biology
- Chemistry 1
- Physics 1
- Laboratory Science
- Quantitative Methods 1

**Semester 2**
- Animal & Plant Biology
- Chemistry 2
- Physics 2
- Quantitative Methods 2
- Current Concepts in Science

**About the course**

Analytical scientists use a variety of methods and instruments to identify and quantify substances.

Analytical science is essential to many areas including the pharmaceutical industry, food and beverage industry, healthcare, forensics, and environmental monitoring.

In the pharmaceutical industry, for example, analytical chemists test drug products to assure their quality and stability.

**Career opportunities**

Analytical scientists work in industry, academia, and government agencies, using their skills and expertise to test samples, analyse the resulting data, and develop new analytical methods.

Graduates typically work in areas such as:
- Pharmaceutical production
- Pharmaceutical product development
- Quality control in manufacturing
- Food and beverage analysis
- Environmental monitoring.
Bachelor of Science
Biosciences

About the course
Bioscience is the branch of science concerned with living organisms and is the foundation of many other schools of scientific inquiry, including biopharmaceuticals, which refers to medical drugs manufactured in living organisms such as bacteria, yeast and mammalian cells.

Career opportunities
The three year Biosciences with Biopharmaceuticals course is designed to produce highly employable graduates for the biosciences, biotechnology, biopharmaceutical science and food science industries.

These sectors are rapidly evolving and offer excellent and varied employment options in quality control, quality assurance, technical, supervisory or management areas.

Year 1 Modules
Semester 1
Fundamental Biology
Chemistry 1
Physics 1
Laboratory Science
Quantitative Methods 1

Semester 2
Animal & Plant Biology
Chemistry 2
Physics 2
Quantitative Methods 2
Current Concepts in Science

Higher Certificate in Science
Applied Biology or Applied Chemistry

About the course
This course provides students with a grounding in scientific knowledge and skills. More than 50% of the content is practical lab based work.

In Year 2, students specialise in either Applied Biology or Applied Chemistry.

This course will advance students’ skills in bioanalysis, biotechnology, genetics, immunology, diagnostics, bioforensics and biopharmaceutical science.

Career opportunities
The course will provide graduates with knowledge and practical skills necessary to pursue technical careers in the areas of industrial chemistry, pharmaceutical manufacture, scientific instrumentation, quality control, food science and technology.

Students who complete the Higher Certificate in either Applied Biology or Applied Chemistry may gain employment as laboratory technicians. Many students choose to continue their studies at SETU in the areas of biosciences, analytical science, pharmaceutics and drug formulation.

Year 1 Modules
Semester 1
Fundamental Biology
Chemistry 1
Physics 1
Laboratory Science
Quantitative Methods 1

Semester 2
Animal & Plant Biology
Chemistry 2
Physics 2
Quantitative Methods 2
Current Concepts in Science
Higher Certificate in Science
Pharmacy Technician Studies

Year 1 Modules

Semester 1
- Human Physiology
- Drugs & How They Work 1
- Pharmaceutical Chemistry
- Over the Counter
- Pharmacy Calculation & Computing

Semester 2
- Regulations & Dispensing
- Drugs & How They Work 2
- Formulation & Compounding 1
- Pharmacy Administration & Work Placement

About the course

A pharmacy technician is a key member of the pharmacy team involved in the safe dispensing of medicines.

This programme prepares students for this role and provides a blend of academic knowledge, hands on experience and real word learning. Students attend on campus classes and practicals and complete a weekly work placement in a community pharmacy.

In Year 2 students benefit from a six month placement in a hospital or community pharmacy.

Career opportunities

Graduates are employed as pharmacy technicians in community pharmacies and hospital settings.

Bachelor of Science (Honours)
Brewing & Distilling

Year 1 Modules

Semester 1
- Fundamental Biology
- Chemistry 1
- Physics 1
- Laboratory Science
- Quantitative Methods 1

Semester 2
- Animal & Plant Biology
- Chemistry 2
- Physics 2
- Quantitative Methods 2
- Current Concepts in Brewing & Distilling

About the course

Successful brewing and distilling requires the application of both scientific and engineering principles. This four year course equips students with the necessary scientific knowledge and instrumentation competencies to work in the brewing and distilling industry. Modules include product development, marketing and regulatory affairs. The course incorporates industry work placement in Year 3 and a research project in Year 4.

Career opportunities

This course in brewing and distilling is the first degree of this type in Ireland. We work closely with industry to ensure that all graduates from the programme will directly meet the requirements of their future employers in the brewing and distilling industries but will also be in a position to enter a research career, undertake further studies or start up their own venture.
AGRICULTURE, HORTICULTURE & FORESTRY
Bachelor of Science (Honours)
Agricultural Science

Year 1 Modules

 Semester 1
 Introductory Biology
 Introductory Chemistry
 Introductory Physics
 Good Lab. Practice & Core Skills
 Introductory Mathematics
 Intro to ICT for Scientists

 Semester 2
 Physical & Organic Chemistry
 Cell Biology & Biochemistry
 Physics for Scientists
 Mathematics for Scientists
 Animal Biology
 Plant Biology

About the course
Agricultural Science is the application of science and other disciplines to the production of quality food.

The purpose of the course is to prepare students for a career in the areas of agricultural science and agribusiness.

Self-management, teamwork, business awareness, problem solving, land management and communication are all areas which are strongly incorporated into the programme.

Career opportunities
Graduates from BSc (Honours) in Agricultural Science can expect to find employment in the following areas:

• Senior technical positions in quality control in agri-food industries
• Sales and marketing departments of agri-businesses
• Technical personnel in organisations offering environmental and other services to farmers
• Start-up agricultural-based businesses.

About the course
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.

This is a very practical course and it fulfils the requirements for stamp duty exemption or land transfer for young farmers (Green Cert.)

Career opportunities
Graduates from BSc in Agriculture may find employment in fields such as:

• Managers of modern farm enterprises
• Managers in agri-food cooperatives
• Managers in meat processing plants
• Sales positions in agribusiness.

Progression
BSc (Hons) in Land Management in Agriculture.
Bachelor of Science (Honours)
Sustainable Farm Management & Agribusiness

<table>
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<th>COURSE CODE</th>
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<td>Dr Stephen Whelan</td>
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About the course
The agri-food sector is one that constantly evolves to rise up to new challenges and capitalise on new opportunities.

The BSc (Honours) in Sustainable Farm Management and Agribusiness is a well-balanced degree that combines theory and hands-on learning in the agri-sciences, agri-business and land-based training that are required for graduates to be successful in the industry.

Career opportunities
Employment opportunities for graduates from the level 8 in Sustainable Farm Management and Agribusiness include: farm advisory services, agricultural officers in state and semi-state organisations, technical sales and agri-finance.

Continuing your studies to level 9 or level 10 at SETU.

Year 1 Modules

<table>
<thead>
<tr>
<th>Semester 1</th>
<th>Applied Physics &amp; Chemistry</th>
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<tbody>
<tr>
<td>Basic Mathematics</td>
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<tr>
<td>Principles of Crop Production</td>
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<tr>
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<tr>
<td>Academic &amp; Personal Skills Development</td>
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<tr>
<td>Semester 2</td>
<td>Animal &amp; Plant Biology</td>
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<tr>
<td>Intro to ITC for Agriculture</td>
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<td>Farm Mechanisation &amp; Regulations</td>
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<tr>
<td>Agribusiness Management</td>
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New Course
Wexford SE518

Bachelor of Science
Sustainable Farm Management & Agribusiness

<table>
<thead>
<tr>
<th>COURSE CODE</th>
<th>LOCATION</th>
<th>CAO POINTS 2021</th>
<th>ENTRY REQUIREMENTS</th>
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<td>Mathematics: O6/H7</td>
<td>E: <a href="mailto:stephen.whelan@setu.ie">stephen.whelan@setu.ie</a></td>
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<tr>
<td></td>
<td></td>
<td>COURSE DURATION 3 YEARS</td>
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</table>

About the course
The agri-food sector is one that constantly evolves to rise up to new challenges and capitalise on new opportunities.

This level 7 degree, offers a learning environment that combines theory as hands-on learning.

Upon graduation, learners will have acquired an analytical and entrepreneurial skill set that will allow them to thrive as employees or as a self-employed individual.

Career opportunities
Graduates from the BSc in Sustainable Farm Management programme have many employment opportunities including: farm owners, farm managers, technical roles in Government and other state agencies.

Progression to the Level 8, BSc (Honours) in Sustainable Farm Management is also possible.

Year 1 Modules

<table>
<thead>
<tr>
<th>Semester 1</th>
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</tbody>
</table>
## Bachelor of Science (Honours) Organic Agriculture

**NFQ LEVEL 8**

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

**CAO POINTS 2021**
- NEW COURSE

**LOCATION**
- Wexford

**COURSE DURATION**
- 4 YEARS

**PROGRAMME DIRECTOR**
- Dr Stephen Whelan
- PhD
- E: stephen.whelan@setu.ie

**Year 1 Modules**

**Semester 1**
- Applied Physics & Chemistry
- Basic Mathematics
- Farm Health & Safety
- Academic & Personal Skills Development
- Principals & Standards of Organic Production

**Semester 2**
- Animal & Plant Biology
- Intro to ITC for Agriculture
- Agribusiness Management
- Animal Production in Organic Agriculture
- Crop & Grassland Management on Organic Farms

**About the course**
Organic agriculture is undergoing a period of rapid expansion in Ireland as well as across the EU as policy aims to increase the overall area of land dedicated to organics.

The level 8 BSc in Organic Agriculture aims to produce talented individuals that have acquired skills in the business, science and policy that underpins organic food production.

**Career opportunities**
Graduates from the BSc in Organic Agriculture will have a skill set that specialises in organic food production but will be equally useful in conventional food systems.

Career opportunities for these graduates may include: employment in state and semi-state organisations, farm advisory services with an emphasis on organic farms, organic certification bodies, technical sales.

Further studies to level 9 and level 10.

---

## Bachelor of Science Organic Agriculture

**NFQ LEVEL 7**

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

**CAO POINTS 2021**
- NEW COURSE

**LOCATION**
- Wexford

**COURSE DURATION**
- 3 YEARS

**PROGRAMME DIRECTOR**
- Dr Stephen Whelan
- PhD
- E: stephen.whelan@setu.ie

**Year 1 Modules**

**Semester 1**
- Applied Physics & Chemistry
- Basic Mathematics
- Farm Health & Safety
- Academic & Personal Skills Development
- Principals & Standards of Organic Production

**Semester 2**
- Animal & Plant Biology
- Intro to ITC for Agriculture
- Agribusiness Management
- Animal Production in Organic Agriculture
- Crop & Grassland Management on Organic Farms

**About the course**
Organic agriculture is undergoing a period of rapid expansion in Ireland as well as across the EU as policy aims to increase the overall area of land dedicated to organics.

This level 7 BSc in Organic Agriculture aims to produce talented individuals that have acquired skills in the production of organic food as well as core business skills that will see them thrive in organic food businesses.

**Career opportunities**
Graduates from the level 7 BSc in Organic Agriculture will have a skill set that specialises in organic food production but will be equally useful in conventional food systems including: owners of organic farms, managers on organic farms, technical roles in government and other state agencies.

Progression to the level 8 BSc in Organic Agriculture is also possible.
Bachelor of Engineering (Honours)
Agricultural Systems Engineering

About the course
This programme focuses on agricultural science, agri-business, agricultural engineering and agricultural systems.

Students will develop knowledge in areas such as sensing technology, electro-pneumatics, electro-hydraulics, automation, agribusiness, management, marketing and product pricing.

It is also envisaged that graduates of this programme will achieve Young Trained Farmer status.

Career opportunities
The main areas of employment for graduates of this programme are:
- Design of agricultural machinery and equipment
- Control system design
- Agri systems testing and maintenance
- Advising the agrifood industry
- Design of agricultural/food processing infrastructural works.

Year 1 Modules
Semester 1
Engineering Mathematics 1
Principles of Crop Production
Applied Physics for Agriculture 1
Mechatronics for Agriculture

Semester 2
Engineering Mathematics 2
Ruminant Animal Production
AgriBusiness Management
Agricultural Design & Mechanisation

COURSE CODE  LOCATION  CAO POINTS 2021  ENTRY REQUIREMENTS  PROGRAMME DIRECTOR
SE732  Carlow  NEW COURSE  2 subjects: H5 4 subjects: O6/H7  English or Irish: O6/H7  Dr Anthony Nolan PhD E: anthony.nolan@setu.ie

COURSE CODE  LOCATION  CAO POINTS 2021  ENTRY REQUIREMENTS  PROGRAMME DIRECTOR
SE733  Carlow  NEW COURSE  5 subjects: O6/H7  English or Irish: O6/H7  Mathematics: O6/H7  Dr John Carroll PhD E: john.carroll@setu.ie
Bachelor of Science
Horticulture

NFQ LEVEL 7

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

CAO POINTS 2021
Round 1: 226

COURSE DURATION
3 YEARS

LOCATION
Kildalton and Waterford

COURSE CODE
SE506

Year 1 Modules
Semester 1
Communication Skills & Computer Applications
Horticulture Skills 1
Plant Biology
Plant Knowledge 1
Plant Protection
Soil & Growing Media

Semester 2
Chemistry for Land Scientists
Horticulture Building Construction
Horticulture Mechanisation & Safety
Horticulture Skills 2
Plant Knowledge 2
Plant Propagation

About the course
This is a three year level 7 course delivered with our partners Teagasc College of Amenity Horticulture based in the National Botanic Gardens.

You will benefit from the skills and expertise of staff and have access to the plant collection.

In Year 2 you will spend a semester on work placement in Ireland or abroad where you will train to be a professional horticulturist.

Career opportunities

Further training opens opportunities to research in plant science, pathology, or ecology.

Progression
BSc (Hons) in Land Management in Horticulture.

PROGRAMME DIRECTOR
Dr Cara Daly
PhD
E: cara.daly@setu.ie

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

CAO POINTS 2021
Round 1: 223

COURSE DURATION
3 YEARS

LOCATION
National Botanic Gardens
Dublin

COURSE CODE
SE507

Year 1 Modules
Semester 1
Communication Skills & Computer Applications
Horticulture Skills 1
Plant Biology
Plant Knowledge 1
Plant Protection
Soil & Growing Media

Semester 2
Chemistry for Land Scientists
Horticulture Building Construction
Horticulture Mechanisation & Safety
Horticulture Skills 2
Plant Knowledge 2
Plant Propagation

About the course
The SETU Waterford BSc in Horticulture course is a full-time, three year course designed to train professional horticulturists.

Our students study STEM-rich horticulture modules, undertake work placement, gain business acumen, and graduate from the course having specialised in two major streams of horticulture study.

Progression
BSc (Hons) in Land Management in Horticulture.

Career opportunities
Craft Gardener in public parks, private or heritage gardens, Greenkeeper, Nursery Stock Producer, self-employed Landscaper/Landscape Designer, Garden Maintenance Contractor, Fruit/Vegetable Producer, Florist, Horticulture Teachers and Lecturers, Hort Therapists, Mushroom Grower, Tree Surgeon/Arboriculturist, Garden Centre Owner/Manager, Tree/Bedding Plant Producer, Research Scientist.

PROGRAMME DIRECTOR
Yvonne Grace
MSc
E: yvonne.grace@setu.ie
# Bachelor of Science

## Forestry

**COURSE CODE**
SE505  

**LOCATION**
Waterford  

**CAO POINTS 2021**
Round 1: 216  

**COURSE DURATION**
3 YEARS  

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

**PROGRAMME DIRECTOR**
Tom Kent  
BAgSc(For) MSIF  
E: tom.kent@setu.ie  

### About the course

The BSc in Forestry is aimed at providing students with the education, knowledge and skills to start a professional career in sustainable forest management.

Practical classes and field trips are an essential element of all modules, to apply technical skills and demonstrate forest practices.

All students undertake a semester of forestry placement in second year.

### Career opportunities

A forester’s role is to manage trees and forests for climate, 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.

Sustainable forest management is a global imperative for a healthy planet and people.

### Year 1 Modules

**Semester 1**
- Plant Biology
- Forest Establishment
- Mechanisation & Safety
- Dendrology
- Mathematics for Forestry
- Communication Skills & Computer Applications

**Semester 2**
- Forest Surveying & Mapping
- Fundamentals of Forestry
- Wood Science
- Earth Science
- ICT for Forestry
- Chemistry for Land Scientists
About the course
This is a four year full-time programme which prepares students for an exciting career in the fast-paced world of technology. Students are introduced to the fundamentals of computer science and over the four years, build up their knowledge of software development, computer systems, networking and data science. Students choose a specialist stream from Year 2 onwards.

Career opportunities
Graduates of Applied Computing are amongst the most sought-after computing professionals in Ireland today. As well as working directly in the IT industry, graduates are also employed in sectors that have been profoundly changed by technology, such as healthcare, media, finance, logistics, pharmaceuticals and agriculture. There are also opportunities for postgraduate study.

Applied Computing — COMMON ENTRY Degree Options

- **Automotive & Automation Systems**
  - BSc (Honours) – NFQ Level 8

- **Cloud & Networks**
  - BSc (Honours) – NFQ Level 8

- **Computer Forensics & Security**
  - BSc (Honours) – NFQ Level 8

- **Internet of Things**
  - BSc (Honours) – NFQ Level 8

- **Game Development**
  - BSc (Honours) – NFQ Level 8

FOLLOW ON STUDY — Postgraduate Study — MSc or PhD
COMMON ENTRY — Bachelor of Science (Honours)
Applied Computing (Automotive & Automation Systems)

About the course
This is a specialism within Applied Computing. Advances in automotive technology have resulted in a rapid growth in innovative features such as driverless cars and collision avoidance. These features require sophisticated software that can sense and interpret the environment around them.

Career opportunities
Roles available to graduates of this programme include:
• Automotive Software Developer
• Embedded Systems Developer in the automation, robotics and medical devices industries
• System integration roles with major car manufacturers and suppliers
• Control systems development for motor sport.
• Process control software developer
• There are also opportunities for follow on study.

Year 1 Modules
Semester 1
Programming Fundamentals 1
Computer Systems 1
Website Development 1
Physics 1
Discrete Mathematics
The Computer Industry
Semester 2
Programming Fundamentals 2
Computer Systems 2
Web App Development 1
Physics 2
Applied Calculus
* Elective module: Automotive & Automation Systems, Cloud & Networks, Computer Forensics & Security, Game Development and Internet of Things

COMMON ENTRY — Bachelor of Science (Honours)
Applied Computing (Cloud & Networks)

About the course
This is a specialism within Applied Computing. The stream is designed to equip students with a practical understanding of Operating Systems and the tools required to deploy, manage and troubleshoot the underlying infrastructure supporting networked systems.

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, Sun Life Financial Services as well as international organisations.

There are also opportunities for postgraduate study.

Year 1 Modules
Semester 1
Programming Fundamentals 1
Computer Systems 1
Website Development 1
Physics 1
Discrete Mathematics
The Computer Industry
Semester 2
Programming Fundamentals 2
Computer Systems 2
Web App Development 1
Physics 2
Applied Calculus
* Elective module: Automotive & Automation Systems, Cloud & Networks, Computer Forensics & Security, Game Development and Internet of Things
COMMON ENTRY — Bachelor of Science (Honours)  
Applied Computing (Computer Forensics & Security)

Year 1 Modules

**Semester 1**  
Programming Fundamentals 1  
Computer Systems 1  
Website Development 1  
Physics 1  
Discrete Mathematics  
The Computer Industry

**Semester 2**  
Programming Fundamentals 2  
Computer Systems 2  
Web App Development 1  
Physics 2  
Applied Calculus  
* Elective module: Automotive & Automation Systems, Cloud & Networks, Computer Forensics & Security, Game Development and Internet of Things

**About the course**

The course is designed to equip graduates with the skills and knowledge needed to secure, monitor and examine electronic crime scenes and digital environments. Criminal prosecutors have used computer forensic evidence to form the backbone in cases through the use of technologies such as smartphone forensics. The course covers programming, computer networks, operating systems and web technologies.

**Career opportunities**

The domain of computer security and forensics is growing and has become more essential than ever before. Virtually all organisations now need and use internet technologies in their daily business. Many companies employ full-time security personnel to fulfil these roles, whilst other organisations outsource them to external firms. There are also opportunities for follow on study.

**Programme Director**  
Robert O’Connor, MSc  
E: robert.oconnor@setu.ie  
Dr Frank Walsh, PhD  
E: frank.walsh@setu.ie

**CAO Points 2021**  
Round 1: 270

**Location**  
Waterford

**Course Code**  
SE600

**Course Duration**  
4 YEARS

COMMON ENTRY — Bachelor of Science (Honours)  
Applied Computing (Internet of Things)

Year 1 Modules

**Semester 1**  
Programming Fundamentals 1  
Computer Systems 1  
Website Development 1  
Physics 1  
Discrete Mathematics  
The Computer Industry

**Semester 2**  
Programming Fundamentals 2  
Computer Systems 2  
Web App Development 1  
Physics 2  
Applied Calculus  
* Elective module: Automotive & Automation Systems, Cloud & Networks, Computer Forensics & Security, Game Development and Internet of Things

**About the course**

This is a specialism within Applied Computing. Internet of Things (IoT) refers to everyday objects which have the ability to harvest and process information and the connectivity capabilities to communicate the results. IoT enables and facilitates smart cities and smart agriculture as well as improvements in industrial applications, emergency operations, health and home automation.

**Career opportunities**

Be a programmer and a maker! Be a hacker and a creator! The skills you acquired from this programme place graduates in a unique position - top class programming abilities combined with a solid understanding of how electronic devices are designed, configured and managed. There are also opportunities for postgraduate study.

**Programme Director**  
Robert O’Connor, MSc  
E: robert.oconnor@setu.ie  
Dr John Sheppard, PhD  
E: john.sheppard@setu.ie

**CAO Points 2021**  
Round 1: 270

**Location**  
Waterford

**Course Code**  
SE600

**Course Duration**  
4 YEARS
COMMON ENTRY — Bachelor of Science (Honours)  
Applied Computing (Game Development)

<table>
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<td>Waterford</td>
<td>Round 1: 270</td>
<td>SE600 Applied Computing (Common Entry)</td>
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</table>

COURSE DURATION: 4 YEARS

Programme Director: Robert O’Connor, MSc
E: robert.oconnor@setu.ie
Brendan Lyng, MSc
E: brendan.lyng@setu.ie

About the course
This is a specialism within Applied Computing. Students develop a portfolio of playable games and game prototypes using high-level game development tools such as Unity, Unreal, C# and JavaScript.

Students also develop skills to enable them to create games ranging in technical complexity from indie and casual games up to AAA high-end commercial games.

Career opportunities
Employment prospects in computing are extremely healthy at the moment, with demand for skilled graduates exceeding supply.

Graduates of this course will have the skills necessary to follow opportunities that present themselves in this growing industry as well as having the freedom to choose their own career path.

There are also opportunities for follow on study.

Year 1 Modules

<table>
<thead>
<tr>
<th>Semester 1</th>
<th>Semester 2</th>
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* Elective module: Automotive & Automation Systems, Cloud & Networks, Computer Forensics & Security, Game Development and Internet of Things

Bachelor of Science (Honours)  
Information Technology Management

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<td>Mathematics: O6/H7</td>
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</table>

COURSE DURATION: 4 YEARS

Programme Director: Dr Enda Dunican
EdD
E: enda.dunican@setu.ie

About the course
This course is aimed at students who are interested in working as an IT professional.

It provides graduates with a qualification that enables them to work in a vast array of organisations from small local companies and public service bodies to large multinationals. Graduates are exposed to a blend of business and IT subjects which is seen as critical by many employers.

Career opportunities
- Business Analyst
- Systems Administrator
- IT Consultant
- Database Administrator
- Network Administrator
- Web Developer
- Deployment Engineer
- Data Management Analyst
- IT Manager
- Self-employed IT Professional

Year 1 Modules

<table>
<thead>
<tr>
<th>Semester 1</th>
<th>Semester 2</th>
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<tbody>
<tr>
<td>Programming 1</td>
<td>Programming 2</td>
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<tr>
<td>Mathematics 1</td>
<td>Mathematics 2</td>
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<tr>
<td>Computer Hardware 1</td>
<td>Operating Systems</td>
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<tr>
<td>Networking 1</td>
<td>Computer Hardware 2</td>
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<tr>
<td>Applications &amp; Interpersonal Communication</td>
<td>Networking 2</td>
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</tbody>
</table>

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# Bachelor of Science

## Information Technology Management

**Entry Route**

- 5 subjects: O6/H7
- English or Irish: O6/H7
- Mathematics: O6/H7

**CAO Points 2021**

- Round 1: 269

**Location**

- Carlow

**Course Duration**

- 3 Years

**Programme Director**

- Dr Enda Dunican, EdD
- E: enda.dunican@setu.ie

**Year 1 Modules**

- **Semester 1**
  - Programming 1
  - Mathematics 1
  - Computer Hardware 1
  - Networking 1
  - Applications & Interpersonal Communication
- **Semester 2**
  - Programming 2
  - Mathematics 2
  - Operating Systems
  - Computer Hardware 2
  - Networking 2

**About the course**

This course is aimed at students who are interested in working as an IT professional.

It provides graduates with a qualification that enables them to work in a vast array of organisations from small local companies and public service bodies to large multinationals.

Graduates are exposed to a blend of business and IT subjects which is seen as critical by many employers.

**Career opportunities**

- Business Analyst
- Systems Administrator
- IT Consultant
- Database Administrator
- Network Administrator
- Web Developer
- Deployment Engineer
- Data Analyst

**Progression**

BSc (Hons) in Information Technology Management.

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# Bachelor of Science

## Information Technology

**Entry Requirements**

- 5 subjects: O6/H7
- English or Irish: O6/H7
- Mathematics: O6/H7

**CAO Points 2021**

- Round 1: 195

**Location**

- Waterford

**Course Duration**

- 3 Years

**Programme Director**

- Sinéad Walsh, MSc
  - E: sinead.walsh@setu.ie
- Dr TJ McDonald, PhD
  - E: tj.mcdonald@setu.ie

**Year 1 Modules**

- **Semester 1**
  - Programming Concepts
  - Website Development 1
  - Computer Systems 1
  - Communication Skills
  - Systems Analysis Design
  - Mathematics Fundamentals
- **Semester 2**
  - Programming Fundamentals 1
  - Web Design & Development
  - Computer Systems 2
  - Intro to Cloud Computing
  - Business Information Systems and Processes
  - Statistical Analysis

**About the course**

The BSc in Information Technology facilitates graduates to develop practical skills that can be applied in companies to help them solve their problems and provide more efficient services & products.

Graduates will develop communication skills, web design abilities, database techniques, network and security strategies, as well as complete work experience to help them build a career in IT.

**Career opportunities**

- Cloud Computing Architect
- Network Engineer
- Systems Analyst
- Computer Support Specialist
- Data Quality Manager
- Information Technology Analyst
- Information Security Specialist

**Progression**

BSc (Hons) in Information Technology Management.
Bachelor of Science (Honours) Software Development

About the course
This course equips students with the skills required to become software developers. Students follow our new 'learn-by-doing' model in Year 1 with continuous assessment replacing final exams.

Students cover a wide range of subjects and work placement. Year 4 concentrates on state-of-the-art, high-level topics such as: secure app development, data science, distributed systems and project.

Career opportunities
Ireland is a large global player in the software development and software engineering industry with significant employment opportunities for graduates at home and abroad.

Graduates of this course are working in Ireland and around the world with companies such as UNUM, Google, IBM, Microsoft, HP, AOL, DoneDeal, Symantec and Intel.

Year 1 Modules

- **Semester 1**
  - Programming 1
  - Mathematics 1
  - Computer Hardware 1
  - Networking 1
  - Applications & Interpersonal Communication

- **Semester 2**
  - Programming 2
  - Mathematics 2
  - Operating Systems
  - Computer Hardware 2
  - Networking 2
Bachelor of Science (Honours)  
**Software Systems Development**

**About the course**
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.

**Career opportunities**
On completion of this programme you may employment in the following areas:
- Software Business Analyst
- Database Administrator
- IT Consultant
- Software Engineer/Developer
- Software Trainer
- Web Developer.

---

**Year 1 Modules**

**Semester 1**
- Communication Skills
- Computer Systems 1
- Mathematical Fundamentals
- Programming Fundamentals 1
- Systems Analysis, Design & Testing
- Website Development 1

**Semester 2**
- Business Information Systems & Processes
- Computer Systems 2
- Intro to Software Engineering
- Programming Fundamentals 2
- Statistical Analysis
- Website Development 2

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

**CAO POINTS 2021**
- Round 1: 260

**LOCATION**
- Waterford

**COURSE DURATION**
- 4 YEARS

**COURSE CODE**
- SE604

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**Programme Director**

Amanda Freeman-Gater  
MSc  
E: amanda.freeman@setu.ie

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**Bachelor of Science**  
**Software Systems Development**

**About the course**
The BSc in Software Systems Development is a three year ordinary degree course.

In this degree programme students will learn how to design, develop, and maintain software applications such as interactive web sites, mobile apps, database applications, and business intelligence tools.

**Career opportunities**
Graduates may progress to the BSc (Honours) in Software Systems Development or the BSc (Honours) in IT or may find employment in the following positions:
- Software Business Analyst
- Database Administrator
- IT Consultant
- Software Engineer/Developer
- Software Trainer
- Web Developer.

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**Year 1 Modules**

**Semester 1**
- Communication Skills
- Computer Systems 1
- Mathematical Fundamentals
- Programming Fundamentals 1
- Systems Analysis, Design & Testing
- Website Development 1

**Semester 2**
- Business Information Systems & Processes
- Computer Systems 2
- Intro to Software Engineering
- Programming Fundamentals 2
- Statistical Analysis
- Website Development 2

**ENTRY REQUIREMENTS**
- 5 subjects: O6/H7
- English or Irish: O6/H7
- Mathematics: O5/H7

**CAO POINTS 2021**
- Round 1: 165

**LOCATION**
- Waterford

**COURSE DURATION**
- 3 YEARS

**COURSE CODE**
- SE610

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**Programme Director**

Amanda Freeman-Gater  
MSc  
E: amanda.freeman@setu.ie

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South East Technological University  COMPUTING
# Bachelor of Science (Honours)
## Creative Computing

<table>
<thead>
<tr>
<th>COURSE CODE</th>
<th>LOCATION</th>
<th>CAO POINTS 2021</th>
<th>ENTRY REQUIREMENTS</th>
<th>PROGRAMME DIRECTOR</th>
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<tr>
<td>SE605</td>
<td>Waterford</td>
<td>Round 1: 270</td>
<td>2 subjects: H5, 4 subjects: O6/H7, English or Irish: O6/H7, Mathematics: O5/H7</td>
<td>Bernie McKeown, MSc, E: <a href="mailto:bernie.mckeown@setu.ie">bernie.mckeown@setu.ie</a></td>
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<td>Jacqui Woods O’Brien, MSc, E: <a href="mailto:jacqui.woodsobrien@setu.ie">jacqui.woodsobrien@setu.ie</a></td>
</tr>
</tbody>
</table>

**About the course**
The BSc (Honours) in Creative Computing provides students with the knowledge and practical experience of industry standard innovative tools and technologies, within the domains of technology and creative media. This enables graduates to pursue a career in both the computing and creative media industry. Students study 60% computing modules and 40% creative media modules in this programme.

**Career opportunities**
- Web Development, Mobile App Development and Software Development
- UX (User Experience) Design
- Entertainment Sector - Animation, Film, Creative Content, Pipeline/Production Management
- Graphic Design
- Software Support.

**Year 1 Modules**
- Semester 1
  - Creative Programming Fundamentals 1
  - Graphic Design 1
  - User Experience Design
  - Intro to Creative Media
  - Computer Systems 1
  - Communication Skills
- Semester 2
  - Creative Programming Fundamentals 2
  - Website Development 1
  - Digital Imaging
  - Pipeline Design Concepts
  - Computer Systems 2
  - Mathematics for Problem Solving

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# Bachelor of Science (Level 8)
## Creative Computing

<table>
<thead>
<tr>
<th>COURSE CODE</th>
<th>LOCATION</th>
<th>CAO POINTS 2021</th>
<th>ENTRY REQUIREMENTS</th>
<th>PROGRAMME DIRECTOR</th>
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<tbody>
<tr>
<td>SE611</td>
<td>Waterford</td>
<td>Round 1: 195</td>
<td>5 subjects: O6/H7, English or Irish: O6/H7, Mathematics: O5/H7</td>
<td>Bernie McKeown, MSc, E: <a href="mailto:bernie.mckeown@setu.ie">bernie.mckeown@setu.ie</a></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td>Jacqui Woods O’Brien, MSc, E: <a href="mailto:jacqui.woodsobrien@setu.ie">jacqui.woodsobrien@setu.ie</a></td>
</tr>
</tbody>
</table>

**About the course**
The BSc (Honours) in Creative Computing provides students with the knowledge and practical experience of industry standard innovative tools and technologies, within the domains of technology and creative media. This enables graduates to pursue a career in both the computing and creative media industry. Students study approximately 60% computing modules and 40% creative media modules in this programme.

**Career opportunities**
- Web Development, Mobile App Development and Software Development
- UX (User Experience) Design
- Entertainment Sector - Animation, Film, Creative Content, Pipeline/Production Management
- Graphic Design
- Software Support.

**Year 1 Modules**
- Semester 1
  - Creative Programming Fundamentals 1
  - Graphic Design 1
  - User Experience Design
  - Intro to Creative Media
  - Computer Systems 1
  - Communication Skills
- Semester 2
  - Creative Programming Fundamentals 2
  - Website Development 1
  - Digital Imaging
  - Pipeline Design Concepts
  - Computer Systems 2
  - Mathematics for Problem Solving
Bachelor of Science (Honours)  
Computer Forensics & Security

**About the course**

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.

**Career opportunities**

The domain of computer security and forensics is growing and has become more essential than ever before. Virtually all organisations now need and use internet technologies in their daily business. Many companies employ full-time security personnel to fulfil these roles, whilst other organisations outsource them to external firms. There are also opportunities for follow on study.

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**Year 1 Modules**

**Semester 1**
- Programming Fundamentals 1
- Computer Systems 1
- Website Development 1
- Physics 1
- Discrete Mathematics
- The Computer Industry

**Semester 2**
- Programming Fundamentals 2
- Computer Systems 2
- Web App Development 1
- Intro to Security & Forensics
- Applied Calculus
- Creative Problem Solving

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**Bachelor of Science (Honours)  
Cybercrime & IT Security**

**About the course**

With growing dependence on the security of technology and data, this programme aims to provide industry with graduates who are knowledgeable in cybersecurity processes, practices, implementation and assessment of both IT infrastructure and software.

This knowledge enables students to formulate secure and scalable solutions for industry.

**Career opportunities**

With ever-growing concern over the privacy and security of digital information, cybersecurity has become one of the fastest growing sectors in the technology industry.

Professionals with cybercrime and IT security qualifications and experience are highly sought after.

Career options include roles in ethical hacking, secure application development, secure network management and digital forensics.
Bachelor of Science
Cybercrime & IT Security

About the course
With growing dependence on the security of technology and data, this programme aims to provide industry with graduates who are knowledgeable in cybersecurity processes, practices, implementation and assessment of both IT infrastructure and software enabling students to formulate secure and scalable solutions for industry.

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With ever-growing concern over the privacy and security of digital information, cybersecurity has become one of the fastest-growing sectors in the technology industry. Professionals with cybercrime and IT security qualifications and experience are highly sought after.

Career options include roles in ethical hacking, secure application development, secure network management and digital forensics.

Bachelor of Science (Honours)
Computer Games Development

About the course
Games Development is one of the most exciting and dynamic areas of software development in which to work.

Graduates of this course are sought after by both multinational and indigenous industry leaders such as Microsoft, Black Shamrock, Aeria Games and Viridian Software.

The games industry continues to grow rapidly and Ireland is gaining international recognition as a centre of excellence.

Career opportunities
• Specialist software engineering role in games (Rendering / AI / Gameplay / UI / Networking).
• Engine developer (Unity3D / Unreal / Frostbite)
• Specialist software engineer in performance-related solutions to problems in all types of industry (financial trading / autonomous driving / data analytics etc.)
• Mobile app developer
• General software engineer in the commercial computing sector.
Bachelor of Science (Honours)
Computing in Interactive Digital Art & Design

Year 1 Modules

**Semester 1**
- Intro to 2D Digital Art
- Communications Skills
- Human Computer Interaction
- Mathematics for Graphics
- Intro to Programming

**Semester 2**
- Concept Art for Games
- Game Design
- Interaction Design
- Intro to Data Analytics
- Intro to Object Oriented Programming

**About the course**
Interactive Digital Art and Design is one of the most creative careers within the technology industry.

As concept creators, graduates will have direct influence on product design.

User-focused design is critical in industries such as games, application development, entertainment media, simulation, virtual reality, animation and film production.

**Career opportunities**
Graduates will be literate in visual design within the interactive digital art space and can work as 2D and 3D concept artists, technical artists, user experience designers, user interface designers and user interface programmers.

Graduates will be ready to contribute to the development and preparation of prototypes and style determination of games, applications and entertainment media.

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Bachelor of Science
Computing in Interactive Digital Art & Design

Year 1 Modules

**Semester 1**
- Intro to 2D Digital Art
- Communications Skills
- Human Computer Interaction
- Mathematics for Graphics
- Intro to Programming

**Semester 2**
- Concept Art for Games
- Game Design
- Interaction Design
- Intro to Data Analytics
- Intro to Object Oriented Programming

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**Career opportunities**
Graduates will be literate in visual design within the interactive digital art space and can work as 2D and 3D concept artists, technical artists, user experience designers, user interface designers and user interface programmers.

Graduates will be ready to contribute to the development and preparation of prototypes and style determination of games, applications and entertainment media.
Higher Certificate in Science
Computing (with options in Applications or Programming)

About the course
Computing is the study of computers and computer systems and how they are constructed and programmed. As computing increasingly impacts on every aspect of our lives, it is also becoming a more evolved and complex area.

This course provides a general overview of computing in Year 1 and includes modules in mathematics, programming, hardware, operating systems, networks and applications. In Year 2, students may choose to specialise in computer applications or programming.

Career opportunities
After this course, you will have a broad range of skills to start your career journey in one of the following areas:
- Web Development
- Network Engineering
- Software Development
- Systems Analysis
- Technical Support.

Year 1 Modules
Semester 1
- Programming 1
- Mathematics 1
- Computer Hardware 1
- Networking 1
- Applications & Interpersonal Communication

Semester 2
- Programming 2
- Mathematics 2
- Operating Systems
- Computer Hardware 2
- Networking 2

Entry Requirements
5 subjects: O6/H7
- English or Irish: O6/H7
- Mathematics: O6/H7

COURSE DURATION
2 YEARS

COURSE CODE
SE616

LOCATION
Carlow

CAO POINTS 2021
Round 1: 236

PROGRAMME DIRECTOR
Catherine Moloney
BSc
E: catherine.moloney@setu.ie

COURSE DURATION
2 YEARS

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

COURSE CODE
SE616

LOCATION
Carlow

CAO POINTS 2021
Round 1: 236

PROGRAMME DIRECTOR
Catherine Moloney
BSc
E: catherine.moloney@setu.ie

COURSE DURATION
2 YEARS

ENTRY REQUIREMENTS
5 subjects: O6/H7
- English or Irish: O6/H7
- Mathematics: O6/H7
Notes
Open Days 2022

Waterford Campus
Thursday, 10 November
6.00pm - 8.00pm
Friday, 11 November
10.00am - 2.00pm

Carlow Campus
Thursday, 27 October
10.00am - 2.00pm

Wexford Campus
Thursday, 17 November
10:00am - 2:00pm