Open Days 2023/24

Parents Information Session (online)
Tuesday, 28 November
6.30pm - 7.30pm

Carlow Campus
Thursday, 26 October
10.00am - 2.00pm
Wednesday, 17 January
4.30pm - 7.00pm
Saturday, 11 May
10.00am - 2.00pm

Waterford Campus
Thursday, 9 November
6.00pm - 8.00pm
Friday, 10 November
10.00am - 2.00pm
Thursday, 18 April
6.00pm - 8.00pm

Wexford Campus
Thursday, 16 November
10:00am - 2:00pm
### Business

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**AQA:** All Qualified Applicants

**Disclaimer:** All courses and information listed are subject to change. Please see SETU.ie for updates.
### Sport Management

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** Entry through a combination of leaving cert points and portfolio.
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### South East Technological University

#### Undergraduate courses

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Welcome

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, established on 1 May 2022, is the only university in the south east of Ireland. We are a new and innovative 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 19,000 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

Mar mhac léinn fochéime in SETU, cuirimid eispéireas foighmhaí denimicíúil ar fáil duit le breis is 140 cursa a chuimsíonn foighm obair-bhunaithe, soghluaíteachtaí mac léinn, deiseanna staídéir thar lear agus curaclaim taighde-bhunaithe. Tá étteas na foirne ag SETU ar cheann de na láidreachtai is mó atá againg agus insión ár gcéimeithe dűnn go bhfuil tacaíocht na foirne teagaisc ar cheann de na codanna is suntasaí dá gcuid ama sa chooláiste. Tá ár bhfoireann cabhrach, caidriúil agus is éasca dul chu'n cainte leo. Tá siad réidh chun tacú le do spriocanna oideachais agus oiliúna a bhaint amach.

Guím gach rath ort agus do roghanna coláiste agus cúrsa a ndéanann agat. Tá sé tábhachtach cuimhneamh agus machnamh a dhéanamh ar an gcúrsa atá ceart duit féin agus ar an ngairm bheatha a bheidh agat faoi dheireadh thriár. Más féidir linn aon rud a dhéanamh chun cabhrú leat agus an cinneadhseo a dhéanamh agat déan teagmháil lenár bhfoirne for-rochtana agus ontrála le do thoil.

An tOllamh Veronica Campbell
Uachtaráin SETU
SOUTH EAST TECHNOLOGICAL UNIVERSITY

MULTIPLE CAMPUSES, ONE UNIVERSITY

SETU is the only university in the south east of Ireland with nine campuses for undergraduate and postgraduate study in Carlow, Waterford and Wexford.

setu.ie
Applying to SETU
Applicants seeking admission to first year of full-time undergraduate courses must apply through the Central Statistics Office (CAO). International applications should be made directly to the University.

Key CAO dates

<table>
<thead>
<tr>
<th>Date</th>
<th>Event</th>
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<tbody>
<tr>
<td>Saturday, 4 November 2023</td>
<td>CAO applications open</td>
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<tr>
<td>Saturday, 20 January 2024</td>
<td>Discounted application closes</td>
</tr>
<tr>
<td>Thursday, 1 February 2024</td>
<td>Initial CAO application deadline</td>
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<tr>
<td>Wednesday, 1 May 2024</td>
<td>Late application deadline</td>
</tr>
<tr>
<td>Monday, 1 July 2024</td>
<td>Change of Mind deadline</td>
</tr>
<tr>
<td>August 2024</td>
<td>First round of CAO offers*</td>
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</table>

*Further offers may be made in subsequent rounds if all places are not filled following the first round offers.

Standard application
Applicants that are using the following entry route are considered standard applicants;

a) Leaving Certificate or QQI FET / FETAC Certificate examinations results to meet the minimum entry requirements
b) No previous third level education (in institutes of technology, universities, colleges of education, colleges of art and design, or their equivalents abroad)
c) Not a mature applicant (23 years of age on 1 January of the year of entry).

The University awards points for results in LCVP

Entry requirements for Honours Bachelor Degrees (Level 8)
This link module can be used in place of a sixth Leaving Certificate subject and will be accepted as meeting the six subject eligibility requirements for entry to honours degree courses.

Entry requirements for Ordinary Bachelor Degree (Level 7) and Higher Certificate (Level 6)
The LCVP link module can also be used in place of a fifth Leaving Certificate subject and will be accepted as meeting the five subject eligibility requirements for entry to ordinary bachelor degree and higher certificate courses.

<table>
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<tr>
<th>GRADE</th>
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<tr>
<td>Distinction</td>
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<td>Merit</td>
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<tr>
<td>Pass</td>
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</table>

Applicants with disabilities
The University welcomes DARE applicants. DARE applicants need to complete their CAO applications by 1 February of the year of entry and submit all relevant documentation.

For more information on applying to DARE, visit: www.accesscollege.ie
Non-standard application

A non-standard application is one that does not meet the definition of a standard application. The special categories are:

- GCE/GCSE
- Other school leaving exams
- NCVA Level 2/3
- FETAC Level 5/6
- Further Education (other than QQI)
- Mature
- Higher/Third Level Education

Applicants wishing to make a non-standard application must select the relevant category when applying to the CAO.

Mature Student Applications

A mature student is someone who is at least 23 years of age on 1 January of the year of entry to an undergraduate course and who may not meet the normal admission requirements. Applications are made through the CAO before the 1 February or before late application deadline of 1 May 2024. Applicants are assessed based on the information they enter on their CAO application. **Note:** You must apply for nursing and music courses by 1 February 2024.

Selection Process – Nursing Applications

Mature applicants for nursing courses will receive correspondence under separate cover from the Nursing Careers Centre (Public Appointments Service - PAS). For full details on the application process see www.nursingcareers.ie.

Mature Applicant – Change of Mind

The Change of Mind facility becomes available after 1 May and the closing date is 1 July. The Change of Mind facility affords mature applicants an opportunity to change the order of preference only of their course choices. If applicants introduce a new programme to their list of choices by way of Change of Mind, they will compete for a place on that programme based on their Leaving Certificate or equivalent results only. They will not compete as a mature applicant.

QQI-FET (FETAC)

Students who have completed a full QQI-FET award at Level 5, and achieved at least three distinctions, are eligible to apply through CAO for entry to Year 1 on to Level 6, 7 and 8 courses. Students who have completed a full QQI-FET award at Level 6 may be eligible to enter Year 2.

The maximum possible points awarded through QQI-FET is 390. The scoring system only applies where all of the requirements for the major award are met i.e. where the named component awards specified have been achieved to a minimum of 120 credits.

Progression Scheme

The Progression Scheme is an additional opportunity for students who successfully complete a QQI FET Award in a partner Colleges of Further Education and Training College/Centre to gain entry to SETU programmes. The list of partner Further Education and Training Colleges/Centres, relevant SETU programmes, linked QQI FET Awards and the criteria for the scheme are available at www.setu.ie/progression.
Student Support Services

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 and Pastoral Care
• Clubs and 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 years on 1 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 cao.ie.

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

Carlow and Wexford Campuses: hear.CW@setu.ie
Waterford Campus: hear.WD@setu.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

Carlow and Wexford Campuses: disabilityoffice.CW@setu.ie
Waterford Campus: disabilityoffice.WD@setu.ie

Student Assistance Fund
Full-time and part-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
At 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

General Manager - Sport
Kate Kelly
kate.kelly@setu.ie

Sports Manager
Katie Redmond
katie.redmond@setu.ie

Sport & Societies Officer
Shauna Fitzgerald
shauna.fitzgerald@setu.ie

GAA Development Officer
Aaron Beresford
aaron.beresford@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
COMMON ENTRY
Business (Waterford)

About the course
This four year full-time course offers students 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 students 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 multi-national corporate.

Year 1 Modules

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<th>Semester 1</th>
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<tr>
<td>Microeconomics 1</td>
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<td>Intro to Statistics</td>
<td>Business &amp; Financial Maths</td>
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<td>Organisational Behaviour</td>
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<td>One elective*</td>
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* 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)
Economics & Finance

Location | Course Code | CAO Points 2023 | Common Entry Route | Stream Lead
---|---|---|---|---
Waterford | SE400 | Round 1: 271 | SE400 (Level 8) Business (Common Entry) | Dr Cormac O’Keeffe

Level | Course Duration
---|---
8 | 4 Years

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 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. The stream provides students with skills that are hugely in demand in the market place. It 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.

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

* 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)
Human Resource Management

Location | Course Code | CAO Points 2023 | Common Entry Route | Stream Lead
---|---|---|---|---
Waterford | SE400 | Round 1: 271 | SE400 (Level 8) Business (Common Entry) | Anne Marie McGrath

Level | Course Duration
---|---
8 | 4 Years

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.

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

* 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) Management

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.

Year 3 Modules
• Teaching
• Business Analyst
• Project Manager
• Customer Relations Manager
• Financial Planner
• Business Operations Manager
• Business Development Manager
• Small Business Owner
• Procurement/Product/Quality/Sustainability/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.

COMMON ENTRY — Bachelor of Business (Honours) Accounting

About the course
Accounting provides students with the opportunity to specialise in accounting subjects for the final two years of their degree. Accounting prepares students for careers in professional accounting, but can also provide opportunities to specialise in financial services and teaching. Professional accountants are in constant demand in the workplace. New skills and roles are emerging for accountants in areas such as sustainability reporting and data analytics. This stream is best suited to students who are reasonably analytical and comfortable with numbers.

Year 3 Modules
• Auditor (Accounting practice)
• Fund Accountant (Financial Services)
• Finance Manager/Financial Controller (Industry accountant)
• Taxation advisor
• Financial consultant
• Teacher
• Further Education
• Other

Professional Body Exemptions
Chartered Accounting Ireland (ACA), Certified Public Accountants (CPA), the Association of Certified Chartered Accountants (ACCA) and the Chartered Institute of Management Accountants (CIMA).
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.

Year 3 Modules
Semester 1
- Applied Quantitative Analysis
- Financial Management
- Digital Marketing Planning
- Marketing Research & Analytics
- The Changing Consumer
- One elective*

Semester 2
- International Placement/Work Placement/Start Up Lab/Teaching Skills

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

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.

Year 1 Modules

Semester 1
- Personal, Professional & Academic Skills 1
- Fundamentals of Accounting 1
- Maths for Business
- Introductory Microeconomics 1
- Management

Semester 2
- Personal, Professional & Academic Skills 2
- Fundamentals of Accounting 2
- Statistics for Business
- Intro to Macroeconomics 1
- Intro to Organisational Behaviour
COMMON ENTRY
Business (Carlow)

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. The first two years of this course provide students with a foundation in business and subjects are common for all students. After two years, students choose their preferred stream of study.
SETU’s Bachelor (Honours) of Business (SE401) is also offered as a tertiary degree programme with Laois and Offaly Education and Training Board. Full details of this pathway is available on page 132.

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. 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.

Year 1 Modules

<table>
<thead>
<tr>
<th>Semester 1</th>
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<tbody>
<tr>
<td>IT for Business</td>
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<tr>
<td>Business Financial Accounting 1</td>
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<tr>
<td>Quantitative Techniques 1</td>
</tr>
<tr>
<td>Microeconomics</td>
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<tr>
<td>Introduction to Management Theory</td>
</tr>
<tr>
<td>One elective *</td>
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</table>

<table>
<thead>
<tr>
<th>Semester 2</th>
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</thead>
<tbody>
<tr>
<td>Management in Action</td>
</tr>
<tr>
<td>Business Financial Accounting 2</td>
</tr>
<tr>
<td>Quantitative Techniques 2</td>
</tr>
<tr>
<td>Macroeconomics</td>
</tr>
<tr>
<td>One elective *</td>
</tr>
</tbody>
</table>

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

Business — COMMON ENTRY Streams

- Marketing
  BB (Honours) – Level 8 (Year 4)

- International Business
  BB (Honours) – Level 8 (Year 4)

- Supply Chain Management
  BB (Honours) – Level 8 (Year 4)

- Business Management
  BB (Honours) – Level 8 (Year 4)

- Human Resource Management
  BB (Honours) – Level 8 (Year 4)

- Finance & Accounting
  BB (Honours) – Level 8 (Year 4)

Level 8
Level 7

ENTRY REQUIREMENTS

<table>
<thead>
<tr>
<th>COURSE CODE</th>
<th>ENTRY REQUIREMENTS</th>
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<tbody>
<tr>
<td>SE401 (Level 8)</td>
<td>Level 8: 5 subjects: O6/H7 English or Irish: O6/H7 Mathematics: O6/H7</td>
</tr>
<tr>
<td>SE414 (Level 7)</td>
<td>Level 7: 4 subjects: O6/H7 Mathematics: O6/H7</td>
</tr>
</tbody>
</table>

Programme Director
Rynagh Bookle
MED
E: rynagh.bookle@setu.ie

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

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.

Year 3 Modules
Semester 1
Business Finance
Market and Customer Insights
Consumer Psychology and Behaviour
Integrated Marketing Communications
One elective*

Semester 2
Work Placement or Study Semester Abroad
Three electives*

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

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

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.

Year 3 Modules
Semester 1
International Business Culture
Organisational Behaviour 1
Business Finance
Global Market Assessment and Selection
One elective*

Semester 2
Work Placement or Business Internship Project
And the following modules:

Organisational Behaviour 2
Global Marketing Strategy
Business English 2

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

**Supply Chain Management**

**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 3 Modules**
- **Semester 1**
  - Operations Management for the Supply Chain
  - Business Finance
  - Inventory and Materials Management
  - ERP System Applications
  - Purchasing and Supplier Management
- **Semester 2**
  - Work Placement
  - Three electives*

* The full list of each semester’s elective module 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**

**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 3 Modules**
- **Semester 1**
  - Organisational Behaviour 1
  - Operations Management for Business
  - Business Finance
  - Three electives*
- **Semester 2**
  - Work Placement
  - Three electives*

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

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.

Year 3 Modules

Semester 1
Contemporary Issues In HRM
People Management Functions
Employment Law for HRM
Organisational Behaviour 1
Two electives*

Semester 2
Work Placement or Business Internship Project
Three electives*

* The full list of each semester’s elective module 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.

Level 8
Level 7

COMMON ENTRY — Bachelor of Business (Honours)
Finance & Accounting

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.

Year 3 Modules

Semester 1
Financial Reporting 1
Cost Accounting
Income Tax
Commercial/Corporate Law for Accountants 1
Information Systems 1
One elective*
• Operations Management for Business
• Managerial Economics

Semester 2
Financial Reporting 2
Management Accounting 1
Business Tax for Self-Employed and VAT
Corporate Finance in Accounting
Commercial/Corporate Law for Accountants 2
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.

Year 1 Modules

**Semester 1**
- Academic and Professional Skills
- Digital Skills
- Statistics and Forecasting
- Micro Economics
- Introduction to Management
- Fundamentals of Financial Accounting

**Semester 2**
- Customer Service in Practice
- Digital Skills
- Investment Maths
- Macro Economics
- Managing an Enterprise
- Fundamentals of Financial Accounting

**Bachelor of Business — COMMON ENTRY Streams**

<table>
<thead>
<tr>
<th>COMMON ENTRY</th>
<th>Bachelor of Business</th>
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</thead>
<tbody>
<tr>
<td></td>
<td><strong>Business</strong></td>
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<tr>
<td></td>
<td>BB – Level 7 (Years 1-3)</td>
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<tr>
<td></td>
<td>BB (Honours) – Level 8 (Year 4)</td>
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<tr>
<td></td>
<td><strong>Business with Digital Marketing</strong></td>
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<tr>
<td></td>
<td>BB – Level 7 (Years 1-3)</td>
</tr>
<tr>
<td></td>
<td>BB (Honours) – Level 8 (Year 4)</td>
</tr>
</tbody>
</table>

**ENTRY REQUIREMENTS**

**Level 8:**
- 2 subjects: H5
- 4 subjects: O6/H7
- English or Irish: O6/H7
- Mathematics: O6/H7

**Level 7:**
- 5 subjects: O6/H7
- English or Irish: O6/H7
- Mathematics: O6/H7

**COURSE CODE**

SE402 (Level 8)
SE416 (Level 7)

**ENTRY REQUIREMENTS**

**Level 8:**
- 2 subjects: H5
- 4 subjects: O6/H7
- English or Irish: O6/H7
- Mathematics: O6/H7

**Level 7:**
- 5 subjects: O6/H7
- English or Irish: O6/H7
- Mathematics: O6/H7

**PROGRAMME DIRECTORS**

Dr Veronica Kelly, PhD
E: veronica.kelly@setu.ie

Owen Brady, MBA
E: owen.brady@setu.ie

**Level 8**

**Level 7**

**FOLLOW ON STUDY**

Postgraduate Study — MBA, MSc or PhD

**COMMON ENTRY**

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

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.

Year 3 Modules

Semester 1
- Marketing Management
- Financial Management
- Digital Marketing
- Business Research Methods
- One elective*

Semester 2
- Placement Preparation and Practice

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

WORK PLACEMENT AVAILABLE

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

Business with Digital Marketing

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 after-sales.

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.

Year 3 Modules

Semester 1
- Marketing Management
- Digital Marketing
- Business Research Methods
- Operations Management
- Digital Media Design

Semester 2
- Placement Preparation and Practice

WORK PLACEMENT AVAILABLE
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.

LOCATION COURSE CODE CAO POINTS 2023 ENTRY REQUIREMENTS PROGRAMME DIRECTOR
Rynagh Bookle, MEd (Carlow) E: rynagh.bookle@setu.ie
Sinead O’Keeffe, MBS (Waterford) E: sinead.okeeffe@setu.ie
Ann Ryan, MBS (Waterford) E: ann.ryan@setu.ie
Dr Veronica Kelly, PhD (Wexford) E: veronica.kelly@setu.ie

COURSE DURATION: 2 YEARS

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.

Bachelor of Arts (Honours)
Accounting

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 Chartered Accountants Ireland (CAI), 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.

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
Bachelor of Science (Honours)
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. 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.

**Location**
Carlow

**Course Code**
SE411

**CAO Points 2023**
Round 1: 280

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

**Programme Director**
Dr Denise Earle
PhD
E: denise.earle@setu.ie

**Level**
8

**Course Duration**
4 YEARS

### Year 1 Modules

<table>
<thead>
<tr>
<th>Semester 1</th>
<th>Semester 2</th>
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<tbody>
<tr>
<td>Information Technology</td>
<td>Intro to Data Analysis for Digital Marketing</td>
</tr>
<tr>
<td>Professional Writing &amp; Research in the Digital Age</td>
<td>Intro to Finance for Marketing</td>
</tr>
<tr>
<td>Intro to Digital Marketing</td>
<td>Social Media Marketing</td>
</tr>
<tr>
<td>Fundamentals of Marketing</td>
<td>Contemporary Marketing Practice</td>
</tr>
<tr>
<td>Intro to Digital Media Design</td>
<td>Creative Digital Media</td>
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</table>

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Bachelor of Science (Honours)
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. 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.

**Location**
Carlow

**Course Code**
SE418

**CAO Points 2023**
Round 1: 216

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

**Programme Director**
Dr Denise Earle
PhD
E: denise.earle@setu.ie

**Level**
7

**Course Duration**
3 YEARS

### Year 1 Modules

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<th>Semester 1</th>
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South East Technological University  BUSINESS
Bachelor of Arts (Honours)
Marketing & Digital Media

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.

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.

Year 1 Modules
Semester 1
- Intro to Management
- Intro to International Business
- Intro to Statistics
- Economies of the Market
- IT & Communications Skills 1
- One elective* 

Semester 2
- International Business
- Organisational Behaviour
- Business & Financial Maths
- Macroeconomic Environment
- IT & Communications Skills 2
- One elective* 

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

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
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

LOCATION COURSE CODE CAO POINTS 2023 ENTRY REQUIREMENTS PROGRAMME DIRECTOR
Waterford SE413 Round 1: 272 2 subjects: H5
4 subjects: O6/H7
English or Irish: O6/H7
Mathematics: O6/H7
Dr Aidan Duane
PhD
E: aidan.duane@setu.ie

LOCATION COURSE CODE CAO POINTS 2023 ENTRY REQUIREMENTS PROGRAMME DIRECTOR
Waterford SE419 Round 1: 210 5 subjects: O6/H7
English or Irish: O6/H7
Mathematics: O6/H7
Fiona Fleming
MBA
E: fiona.fleming@setu.ie

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**

**Year 1 Modules**

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

**Semester 2**
- Intro to Law & Legal Research
- Business 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.

**Higher Certificate in Business**

**Business with Law**

**Year 1 Modules**

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

**Semester 2**
- Intro to Law & Legal Research
- Business 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.
### Bachelor of Business (Honours)
#### Recreation & Sport Management

**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.

**Year 1 Modules**

Semester 1
- Communication Skills for College & Work
- IT & Research skills
- Intro to Sports Business Policy
- Intro to Sport & Exercise Science
- Sports Studies
- Sports Pedagogy 1 (sports skills)

Semester 2
- Human Resource Management in Recreation & Sport Organisation
- Principles of Marketing
- Physiology for Sport & Exercise
- Sociology of Sport
- Recreation Planning
- Sports Pedagogy 2 (sports skills)

**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**

- Sports development
- National governing bodies of sport - FAI,
- IRFU, Swim Ireland
- 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.

**Year 1 Modules**

Semester 1
- Communication Skills for College & Work
- IT & Research skills
- Intro to Sports Business Policy
- Intro to Sport & Exercise Science
- Sports Studies
- Sports Pedagogy 1 (sports skills)

Semester 2
- Human Resource Management in Recreation & Sport Organisation
- Principles of Marketing
- Physiology for Sport & Exercise
- Sociology of Sport
- Recreation Planning
- Sports Pedagogy 2 (sports skills)
Bachelor of Arts (Honours)
Sport, Business & Coaching

**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.

**Year 1 Modules**

<table>
<thead>
<tr>
<th>Semester 1</th>
<th>Semester 2</th>
</tr>
</thead>
<tbody>
<tr>
<td>Applied Athletic Development 1</td>
<td>Applied Athletic Development 2</td>
</tr>
<tr>
<td>Intro to Coaching Pedagogy</td>
<td>Intro to the Coaching Environment</td>
</tr>
<tr>
<td>Applied Anatomy &amp; Sports Physiology 1</td>
<td>Applied Anatomy &amp; Sports Physiology 2</td>
</tr>
<tr>
<td>Professional Writing &amp; Research in the Digital Age</td>
<td>Intro to Accounting for Sport</td>
</tr>
<tr>
<td>Information Technology</td>
<td>Foundations of Sport Management</td>
</tr>
</tbody>
</table>

**Bachelor of Arts**
Sport, Business & Coaching

**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.

**Year 1 Modules**

<table>
<thead>
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<td>Information Technology</td>
<td>Foundations of Sport Management</td>
</tr>
</tbody>
</table>
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. 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.

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

### 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

---

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 (Gaelic Games), (SE907).

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

### 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
Bachelor of Arts (Honours)
Sports Management & Coaching (Rugby)

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.

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.

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

Bachelor of Arts – Sport Coaching & Business Management (Rugby)

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).

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

**LOCATION**
Carlow

**COURSE CODE**
SE909

**CAO POINTS 2023**
Round 1: *

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

**PROGRAMME DIRECTOR**
Denis O’Brien
MBA
E: denis.obrien@setu.ie

---

**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. Students have an opportunity to attain UEFA B Coaching certification in the third year of the course.

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

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**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.

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

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**Bachelor of Arts – Sport Coaching & Business Management (Football)**

**LOCATION**
Carlow

**COURSE CODE**
SE931

**CAO POINTS 2023**
Round 1: *

**ENTRY REQUIREMENTS**
- 5 subjects: O6/H7
- English or Irish: O6/H7
- Garda Vetting required

**PROGRAMME DIRECTOR**
Denis O’Brien
MBA
E: denis.obrien@setu.ie

---

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

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.

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**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.

* Entry through a combination of leaving cert points, portfolio and interview.
COMMON ENTRY
Exercise Sciences (Waterford)

<table>
<thead>
<tr>
<th>COURSE CODE</th>
<th>STREAMS</th>
<th>ENTRY REQUIREMENTS</th>
<th>PROGRAMME DIRECTOR</th>
</tr>
</thead>
<tbody>
<tr>
<td>SE902</td>
<td>Sport &amp; Exercise Science Nutrition &amp; Exercise Science Health &amp; Exercise Science</td>
<td>2 subjects: H5 4 subjects: O6/H7 English or Irish: O6/H7 Mathematics: O6/H7</td>
<td>Bruce Wardrop E: <a href="mailto:bruce.wardrop@setu.ie">bruce.wardrop@setu.ie</a></td>
</tr>
</tbody>
</table>

About the course
Exercise Sciences (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 Sciences 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

**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

Exercise Sciences — COMMON ENTRY Degree Options

- **Sport & Exercise Science**
  - BSc (Honours) – Level 8

- **Nutrition & Exercise Science**
  - BSc (Honours) – Level 8

- **Health & Exercise Science**
  - BSc (Honours) – Level 8

FOLLOW ON STUDY — MSc or PhD
COMMON ENTRY — Bachelor of Science (Honours)  
Sport & Exercise Science

Year 3 Modules

<table>
<thead>
<tr>
<th>Semester 1</th>
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<tbody>
<tr>
<td>Advanced Performance Analysis</td>
<td>Applied Biomechanics</td>
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<tr>
<td>Applied Sport and Exercise Physiology</td>
<td>Exercise Psychology in Practice</td>
</tr>
<tr>
<td>Conditioning for Performance Sport</td>
<td>Major Project in Sport and Exercise Science 1</td>
</tr>
<tr>
<td>Contemporary Issues in Sport and Exercise</td>
<td>Science of Elite Sport Performance</td>
</tr>
<tr>
<td>Sport &amp; Exercise Biomechanics 2</td>
<td>Sports Medicine</td>
</tr>
<tr>
<td>Sport &amp; Exercise Nutrition</td>
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</tr>
</tbody>
</table>

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 3 Modules

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Career opportunities

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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.
COMMON ENTRY — Bachelor of Science (Honours)
Health & Exercise Science

YEAR 1 Modules

Semester 1
- Intro to Coaching
- Intro to Sport & Exercise Science
- Intro to Sports Coaching & Society
- Lifestyle Management
- Research & Learning
- Strength & Conditioning 1

Semester 2
- Coach Education
- Talent Identification & LTAD
- Motor Behaviour
- Data & Measurement
- Exercise Physiology 1
- Biomechanics & Kinesiology

Common Entry Modules

Year 3 Modules

Semester 1
- Applied Sport and Exercise Physiology
- Child and Youth Physical Activity
- Pathophysiology of Disease
- Physical Activity Assessment & Evaluation
- Weight Management

Semester 2
- Adapted Physical Activity
- Exercise Psychology in Practice
- Exercise as Medicine 1
- Major Project in Health and Exercise Science 1
- Physical Activity, Sport & Development
- One elective*

About the course

The Health and Exercise Science programme will give graduates the knowledge and skills needed to assist distinct population groups and those with health problems to engage in physical activity and structured exercise programmes. The programme includes traditional exercise science disciplines such as physiology, biomechanics and psychology but also newer applied areas such as nutrition, physical activity, strength and conditioning, exercise programming and exercise as medicine.

Career opportunities

Graduates will be accredited Exercise for Health Specialists which allows them to work with new or existing exercisers at risk of or with chronic health conditions. Graduates are currently employed as adapted physical activity specialists, sports development officers, physical activity promotion officers, health and exercise specialists and personal trainers.

Year 3 Modules

Semester 1
- Applied Sport and Exercise Physiology
- Child and Youth Physical Activity
- Pathophysiology of Disease
- Physical Activity Assessment & Evaluation
- Weight Management

Semester 2
- Adapted Physical Activity
- Exercise Psychology in Practice
- Exercise as Medicine 1
- Major Project in Health and Exercise Science 1
- Physical Activity, Sport & Development
- One elective*

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.

Location: Waterford

Course Code: SE904

Level: 8

Course Duration: 4 Years

CAO Points 2023: Round 1: 265

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

Programme Director:
- Dr. Jean McArdle, PhD
- Dr. Emma Saunders, PhD

E: jean.mcardle@setu.ie
E: emma.saunders@setu.ie

WORK PLACEMENT AVAILABLE
### Bachelor of Science (Honours)

**Sport Rehabilitation & Athletic Therapy**

<table>
<thead>
<tr>
<th>LOCATION</th>
<th>COURSE CODE</th>
<th>CAO POINTS 2023</th>
<th>ENTRY REQUIREMENTS</th>
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</thead>
<tbody>
<tr>
<td>Carlow</td>
<td>SE901</td>
<td>Round 1: 451</td>
<td>2 subjects: H5                      4 subjects: O6/H7  English or Irish: O6/H7  Mathematics: O6/H7  Garda vetting required</td>
<td>Dr Sharon Kinsella  PhD</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td>E: <a href="mailto:sharon.kinsella@setu.ie">sharon.kinsella@setu.ie</a></td>
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<tr>
<td></td>
<td></td>
<td></td>
<td><strong>LEVEL</strong>  8</td>
<td><strong>COURSE DURATION</strong>  4 YEARS</td>
</tr>
</tbody>
</table>

#### 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.

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### Higher Certificate in Science

**Physiology & Health Science**

<table>
<thead>
<tr>
<th>LOCATION</th>
<th>COURSE CODE</th>
<th>CAO POINTS 2023</th>
<th>ENTRY REQUIREMENTS</th>
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</thead>
<tbody>
<tr>
<td>Carlow</td>
<td>SE936</td>
<td>Round 1: 422</td>
<td>5 subjects: O6/H7                      English or Irish: O6/H7  Mathematics: O6/H7  Garda vetting required</td>
<td>Brian O’Rourke  MSc</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td>E: <a href="mailto:brian.k.orourke@setu.ie">brian.k.orourke@setu.ie</a></td>
</tr>
<tr>
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<td><strong>LEVEL</strong>  6</td>
<td><strong>COURSE DURATION</strong>  2 YEARS</td>
</tr>
</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.

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### Year 1 Modules

**Semester 1**
- Anatomy 1
- Physiology & Cell Biology 1
- Strength & Conditioning
- Applied Coaching 1
- Maths & Physical Sciences for Health Science
- Intro to Sports & Exercise Psychology

**Semester 2**
- Anatomy 2
- Physiology & Cell Biology 2
- Strength & Conditioning
- Applied Coaching 2
- Physical Sciences for Health Science
- Exercise Physiology 1

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**LOCATION COURSE CODE CAO POINTS 2023 ENTRY REQUIREMENTS PROGRAMME DIRECTOR**


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

**LEVEL COURSE DURATION**

8 4 YEARS

**LOCATION COURSE CODE CAO POINTS 2023 ENTRY REQUIREMENTS PROGRAMME DIRECTOR**

Carlow SE936 Round 1: 422 5 subjects: O6/H7 English or Irish: O6/H7 Mathematics: O6/H7 Garda vetting required

Brian O’Rourke  MSc  E: brian.k.orourke@setu.ie

**LEVEL COURSE DURATION**

6 2 YEARS

**LOCATION COURSE CODE CAO POINTS 2023 ENTRY REQUIREMENTS PROGRAMME DIRECTOR**


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

**LEVEL COURSE DURATION**

8 4 YEARS
Bachelor of Science (Honours)
Strength & Conditioning

<table>
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<th>CAO POINTS 2023</th>
<th>ENTRY REQUIREMENTS</th>
<th>PROGRAMME DIRECTOR</th>
</tr>
</thead>
<tbody>
<tr>
<td>Carlow</td>
<td>SE903</td>
<td>Round 1: 340</td>
<td>2 subjects: H5, 4 subjects: O6/H7, English or Irish: O6/H7, Mathematics: O6/H7</td>
<td>Dr Paul Byrne, PhD, <a href="mailto:paul.byrne@setu.ie">paul.byrne@setu.ie</a></td>
</tr>
</tbody>
</table>

### 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

### 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.

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Bachelor of Science (Honours)
Sport & Exercise Science

<table>
<thead>
<tr>
<th>LOCATION</th>
<th>COURSE CODE</th>
<th>CAO POINTS 2023</th>
<th>ENTRY REQUIREMENTS</th>
<th>PROGRAMME DIRECTOR</th>
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<tr>
<td>Carlow</td>
<td>SE905</td>
<td>Round 1: 419</td>
<td>2 subjects: H5, 4 subjects: O6/H7, English or Irish: O6/H7, Mathematics: O6/H7</td>
<td>Dr Colin Coyle, PhD, <a href="mailto:colin.coyle@setu.ie">colin.coyle@setu.ie</a></td>
</tr>
</tbody>
</table>

### 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

### 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.
Bachelor of Science (Honours) General Nursing

**Year 1 Modules**

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

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

**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**
- Altered Mood Perspective
- Anatomy & Physiology 2
- Health & Psychosocial Studies
- Intro to Evidence Based Practice
- Medication Management
- Psychiatric Nursing Experience

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

**About the course**

Psychiatric Nursing/Mental Health nursing is a specialist field within the 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 & 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
- Psychiatric Nursing Experience 2
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 speciality 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**

- Round 1: 338
- 2 subjects: H5
- 4 subjects: O6/H7
- English or Irish: O6/H7
- Mathematics: O6/H7
- Science: O6/H7

**LOCATION COURSE CODE CAO POINTS 2023 ENTRY REQUIREMENTS PROGRAMME DIRECTOR**

<table>
<thead>
<tr>
<th>LOCATION</th>
<th>COURSE CODE</th>
<th>CAO POINTS 2023</th>
<th>ENTRY REQUIREMENTS</th>
<th>PROGRAMME DIRECTOR</th>
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<tbody>
<tr>
<td>Waterford</td>
<td>SE916</td>
<td>Round 1: 338</td>
<td>2 subjects: H5</td>
<td>Ms Lorraine Dillon</td>
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<tr>
<td></td>
<td></td>
<td></td>
<td>4 subjects: O6/H7</td>
<td>E: <a href="mailto:lorraine.dillon@setu.ie">lorraine.dillon@setu.ie</a></td>
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<td>English or Irish: O6/H7</td>
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<td></td>
<td></td>
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<td>Mathematics: O6/H7</td>
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<td></td>
<td></td>
<td></td>
<td>Science: O6/H7</td>
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**LEVEL COURSE DURATION**

<table>
<thead>
<tr>
<th>LEVEL</th>
<th>COURSE DURATION</th>
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</thead>
<tbody>
<tr>
<td>8</td>
<td>4 YEARS</td>
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</tbody>
</table>
About the course
Healthcare and health promotion are broad fields 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, 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.

Year 1 Modules

<table>
<thead>
<tr>
<th>Semester 1</th>
<th>Semester 2</th>
</tr>
</thead>
<tbody>
<tr>
<td>Learning to Learn</td>
<td>Lifeskills for Health &amp; Wellbeing</td>
</tr>
<tr>
<td>Care of the Older Adult 1</td>
<td>Fundamentals of Care 1</td>
</tr>
<tr>
<td>Psychology for Health Care</td>
<td>Medical Surgery Care 1</td>
</tr>
<tr>
<td>Anatomy &amp; Physiology 1</td>
<td>Anatomy &amp; Physiology 2</td>
</tr>
<tr>
<td>Intro to Healthcare Informatics</td>
<td>Placement 1</td>
</tr>
<tr>
<td>Principles of Health Promotion</td>
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Health Sciences — COMMON ENTRY Degree Options

- **SE900**
  - Public Health & Health Promotion
  - BSc (Honours) – Level 8

- **SE900**
  - Applied Health Care
  - BSc (Honours) – Level 8

Follow on Study — MSc or PhD

Programme Director
Prof Niamh Murphy
PhD
E: niamh.murphy@setu.ie
COMMON ENTRY — Bachelor of Science (Honours)
Public Health & Health Promotion

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.

Year 2 Modules
Semester 1
Health Promotion in Key Settings
Communication and Media Skills
Introduction to Epidemiology & Public Health
Nutrition: Energy & Macro-Nutrients
Sociology of Health
Basic Facilitation Skills for Health and Well-Being

Semester 2
Active Citizenship
Health Screening
Introduction to Mental Health
Nutrition: Vitamins & Minerals
Introduction to Research Methods & Statistics

Common Entry Route
SE900 Health Sciences (Common Entry)

Location
Waterford

Course Code
SE900

CAO Points 2023
Round 1: 307

Level
8

COURSE DURATION
4 YEARS

Common Entry Route
SE900 Health Sciences (Common Entry)

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

Work Placement Available

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

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:
• Technical health care roles
• Phlebotomy
• Managing and coordinating General Practices.
• Delivery of health care in the emerging telehealth industry
• Health research
• Applied health care provision in a variety of healthcare settings
• Healthcare education
• Postgraduate study.

Year 2 Modules
Semester 1
Fundamentals of Care 2
Pharmacology for Health Care 1
Medical Surgical 2
Placement 2

Semester 2
Professional Development & Community
Medical Surgical Care 3
Introduction to Mental Health Care
Activity Co-ordination for Older Adult
Nutrition for Health
Pharmacology for Health Care 2
Placement 3

Common Entry Route
SE900 Health Sciences (Common Entry)

Location
Waterford

Course Code
SE900

CAO Points 2023
Round 1: 307

Level
8

COURSE DURATION
4 YEARS

Common Entry Route
SE900 Health Sciences (Common Entry)

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

Work Placement Available
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.

Year 1 Modules
Semester 1
Learning to Learn
Care of the Older Adult 1
Psychology for Health Care
Anatomy & Physiology 1
Placement 1

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

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
- Sales representatives in the pharmaceutical industry
- Delivery of health care in the emerging telehealth industry
- Access to the final year of BSc (Hons) in Applied Health Care programme (subject to meeting advanced entry requirements).

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 is a three year, full-time honours degree.

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.

This course is accredited by the Psychological Society of Ireland.

Programme Director
Dr Claire O’Gorman
PhD
E: claire.ogorman@setu.ie

Programme Director
Dr Katie Cagney
PhD
E: katherine.cagney@setu.ie

This course is accredited by the Psychological Society of Ireland.
## Bachelor of Architecture (Honours)

### 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

### About the course

This is a Level 8, Bachelor of Architecture (Honours) degree course, professionally accredited by the Royal Institute of Architects of Ireland (RIAI). It is a five year, full-time course 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.

### Entry Requirements

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

### Programme Director

Robin Stubbs  
E: robin.stubbs@setu.ie

---

## Bachelor of Science (Honours) – Architectural & Building Information Modelling Technology

### Year 1 Modules

**Semester 1**
- Architectural & BIM Studio 1
- Architectural Communication & BIM 1
- Construction Technology 1
- Structures & Environment 1
- Thinking & Learning Skills

**Semester 2**
- Architectural & BIM Studio 2
- Architectural Communication & BIM 2
- Construction Technology 2
- Structures & Environment 2
- Detailing the External Envelope

### 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.

### Entry Requirements

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

### Programme Director

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

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## Bachelor of Science (Honours)
### 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

### 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.

### 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.

### 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

### 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.

### 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.

### 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

### 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.

### 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.
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
Bachelor of Science (Honours)
Construction Management & Engineering

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

Bachelor of Science (Honours)
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

LOCATION COURSE CODE CAO POINTS 2023 ENTRY REQUIREMENTS PROGRAMME DIRECTOR
Waterford SE707 Round 1: 262 2 subjects: H5 4 subjects: O6/H7 English or Irish: O5/H7 Mathematics: O5/H7 Dr Brian Graham PhD E: brian.graham@setu.ie

Carlow SE706 Round 1: 292 2 subjects: H5 4 subjects: O6/H7 English or Irish: O6/H7 Mathematics: O6/H7 Anthony Dempsey MSc E: anthony.dempsey@setu.ie

LOCATION COURSE CODE CAO POINTS 2023 ENTRY REQUIREMENTS PROGRAMME DIRECTOR
Waterford SE707 Round 1: 262 2 subjects: H5 4 subjects: O6/H7 English or Irish: O5/H7 Mathematics: O5/H7 Dr Brian Graham PhD E: brian.graham@setu.ie

Carlow SE706 Round 1: 292 2 subjects: H5 4 subjects: O6/H7 English or Irish: O6/H7 Mathematics: O6/H7 Anthony Dempsey MSc E: anthony.dempsey@setu.ie
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

LOCATION COURSE CODE CAO POINTS 2023 ENTRY REQUIREMENTS PROGRAMME DIRECTOR
Carlow SE726 Round 1: 270 5 subjects: O6/H7 English or Irish: O6/H7 Mathematics: O6/H7 Anthony Dempsey MSc E: anthony.dempsey@setu.ie

LEVEL COURSE DURATION
7 3 YEARS

WORK PLACEMENT AVAILABLE
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

**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.

**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  

LOCATION COURSE CODE CAO POINTS 2023 ENTRY REQUIREMENTS PROGRAMME DIRECTOR  
Carlow SE713 Round 1: 428 2 subjects: H5 4 subjects: O6/H7 English or Irish: O6/H7 Mathematics: H4 Shane Murray  
MSc  
E: shane.murray@setu.ie  
Carlow SE719 Round 1: 200 5 subjects: O6/H7 English or Irish: O6/H7 Mathematics: O6/H7 Brian Byrne  
MSc Eng  
E: brian.byrne@setu.ie
Bachelor of Science (Honours)  
Quantity Surveying

About the course
Quantity Surveying in SETU 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 with tier 1 main contractor and consultancy firms in Ireland, Europe and North America in year 3 of the programme.

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

Our graduates can expect a career as a high valued and integral member of the design team on construction projects of all sectors and values both nationally and internationally.

The cost skills of cost management, contractual knowledge, negotiation and communication skills are an integral part of the course we offer in SETU.

Graduates will be permitting direct entrance to the Assessment of Professional Competence.

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.
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, BIM and Information Technology 2
Film & Television Contexts
Bachelor of Engineering (Honours)  
Aerospace Engineering

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

**Career opportunities**  
Aerospace engineers work in many different aspects of the aerospace industry which can involve air vehicle design, engineering analysis, flight testing and software development of avionic 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

---

Bachelor of Engineering  
Aircraft Systems

**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.

**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

---

**LOCATION COURSE CODE CAO POINTS 2023 ENTRY REQUIREMENTS PROGRAMME DIRECTOR
Carlow SE714 Round 1: 403 2 subjects: H5 4 subjects: O6/H7 English or Irish: O6/H7 Mathematics: O6/H7 Dr Gerard Gibbs PhD E: gerard.gibbs@setu.ie LEVEL COURSE DURATION 8 4 YEARS**

**LOCATION COURSE CODE CAO POINTS 2023 ENTRY REQUIREMENTS PROGRAMME DIRECTOR
Carlow SE729 Round 1: 327 5 subjects: O6/H7 English or Irish: O6/H7 Mathematics: O6/H7 Dr Gerard Gibbs PhD E: gerard.gibbs@setu.ie LEVEL COURSE DURATION 7 3 YEARS**
# COMMON ENTRY Engineering (Waterford)

<table>
<thead>
<tr>
<th>COURSE CODE</th>
<th>STREAMS</th>
<th>ENTRY REQUIREMENTS</th>
<th>PROGRAMME DIRECTOR</th>
</tr>
</thead>
<tbody>
<tr>
<td>SE700</td>
<td>Automation Engineering, Sustainable Energy Engineering, Sustainable Civil Engineering, Electronic Engineering, Electrical Engineering</td>
<td>2 subjects: H5 4 subjects: O6/H7 English or Irish: O6/H7 Mathematics: O2/H6</td>
<td>Mr David Williams  E: <a href="mailto:david.williams@setu.ie">david.williams@setu.ie</a></td>
</tr>
</tbody>
</table>

## 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.

## Year 1 Modules

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

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

---

**Engineering — COMMON ENTRY Streams**

- Automation Engineering  
  BEng (Honours) – Level 8
- Sustainable Energy Engineering  
  BEng (Honours) – Level 8
- Sustainable Civil Engineering  
  BEng (Honours) – Level 8
- Electronic Engineering  
  BEng (Honours) – Level 8
- Electrical Engineering  
  BEng (Honours) – Level 8

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**FOLLOW ON STUDY**

- MEng, MSc or PhD

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South East Technological University  ENGINEERING
COMMON ENTRY — Bachelor of Engineering (Honours)
Automation Engineering

About the course
Modern automation engineering combines elements of software programming, networking, databases, data intelligence, robotics, interfacing, instrumentation and electronics 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 2 Modules
Semester 1
- Instrumentation & Measurement
- Electromechanical Devices & Interface
- Engineering Mathematics
- AC Circuit Theory
- Mechatronics 1
- Advanced Programming for Robotics

Semester 2
- Control Systems
- Industrial Instrumentation
- Object Orientated Programming for Microcontrollers
- Programmable Digital Systems
- Intermediate Engineering Calculus
- Industrial Automation

COMMON ENTRY — Bachelor of Engineering (Honours)
Sustainable Energy Engineering

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, optimise 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 2 Modules
Semester 1
- BIM 2 - Mechanical Services Design 1
- Engineering Maths 3
- Heat Transfers in Buildings
- Mechanical Building Services
- Sustainable Heat & Power Generation
- Engineering Finance

Semester 2
- BIM 3 - Mechanical Services Design 2
- Thermodynamics
- Electrical Services Design
- Engineering Maths 4
- Materials for Sustainable Design
- Introduction to Project Management
COMMON ENTRY — Bachelor of Engineering (Honours)
Sustainable Civil Engineering

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.

Year 2 Modules

<table>
<thead>
<tr>
<th>Semester 1</th>
<th>Semester 2</th>
</tr>
</thead>
<tbody>
<tr>
<td>Construction Health &amp; Safety</td>
<td>Engineering Maths 4</td>
</tr>
<tr>
<td>Construction Technology</td>
<td>Environmental Engineering</td>
</tr>
<tr>
<td>Engineering Maths 3</td>
<td>Fluid Mechanics</td>
</tr>
<tr>
<td>Reinforced Concrete Design</td>
<td>Introduction to Project Management</td>
</tr>
<tr>
<td>Site Works Design</td>
<td>Structural Analysis 1</td>
</tr>
<tr>
<td>BIM 2 and Surveying</td>
<td>Timber &amp; Steel Design</td>
</tr>
</tbody>
</table>

COMMON ENTRY — Bachelor of Engineering (Honours)
Electronic Engineering

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.

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.
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
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

Filled roles such as:
- Electrical Technician
- Maintenance Technician
- Field Service Engineer
- Electrical Services Engineer.
Bachelor of Engineering (Honours)  
Electronic Systems

**Year 1 Modules**

<table>
<thead>
<tr>
<th>Semester 1</th>
<th>Semester 2</th>
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<tr>
<td>Mathematics &amp; Computer Applications 1</td>
<td>Mathematics &amp; Computer Applications 2</td>
</tr>
<tr>
<td>Electronic Engineering Practice 1</td>
<td>Electronic Engineering Practice 2</td>
</tr>
<tr>
<td>Electrical &amp; Electronic Fundamentals</td>
<td>Electrical &amp; Electronic Circuits Development on GNU/Linux</td>
</tr>
<tr>
<td>Engineering Science Programming Systems</td>
<td>Technical Communications</td>
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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 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

**Year 1 Modules**

<table>
<thead>
<tr>
<th>Semester 1</th>
<th>Semester 2</th>
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Bachelor of Engineering
Electronic Engineering

Year 1 Modules

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<tr>
<td>Electronic Engineering Applications &amp; Practice</td>
<td>Discrete Active Circuits</td>
</tr>
<tr>
<td>Electrical Science 1</td>
<td>Combinational Digital Systems</td>
</tr>
<tr>
<td>Electronic Devices &amp; Circuit Technology</td>
<td>Electrical Science 2</td>
</tr>
<tr>
<td>Engineering Professionalism &amp; Technology</td>
<td>Introductory Calculus</td>
</tr>
<tr>
<td>Engineering Science</td>
<td>Electronic Design Software</td>
</tr>
<tr>
<td>Fundamental Engineering Maths</td>
<td>Electronics Project</td>
</tr>
</tbody>
</table>

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.

Work Placement Available

Higher Certificate in Engineering
Electronic Engineering

About the course

Electronic Engineering is concerned with the design, development, manufacture and application of electronic devices, circuits and systems. Embedded Software is now common place in modern electronics. This programme is structured to enable a student to:
- develop solid technical skills in electronic hardware and software for employment and/or further education purposes
- have an understanding of and commitment to professional & ethical engineering practice towards people, society and the environment.

Follow-on SETU undergraduate programmes are available at Level 7 and Level 8.

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.
Bachelor of Engineering (Honours)
Biomedical Electronics

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.

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

LOCATION COURSE CODE CAO POINTS 2023 ENTRY REQUIREMENTS PROGRAMME DIRECTOR
Carlow SE709 Round 1: 282 2 subjects: H5
4 subjects: O6/H7
English or Irish: O6/H7
Mathematics: O6/H7
Dr Christopher Kufazvinei
PhD
E: chris.kufazvinei@setu.ie
LEVEL COURSE DURATION
8 4 YEARS

Bachelor of Engineering
Biomedical Electronics

About the course
Biomedical electronics involves the application of electronic circuits and technologies for treating medical conditions and monitoring health problems 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.

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

LOCATION COURSE CODE CAO POINTS 2023 ENTRY REQUIREMENTS PROGRAMME DIRECTOR
Carlow SE727 Round 1: 310 5 subjects: O6/H7
English or Irish: O6/H7
Mathematics: O6/H7
Dr Christopher Kufazvinei
PhD
E: chris.kufazvinei@setu.ie
LEVEL COURSE DURATION
7 3 YEARS
Bachelor of Engineering (Honours)  
Robotics & Automated Systems

**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.

**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

---

**Bachelor of Engineering (Honours)  
Robotics & Automated Systems**

**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 are used 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.

**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
Bachelor of Engineering (Honours)

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.

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; micro electromechanical 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

LOCATION COURSE CODE CAO POINTS 2023 ENTRY REQUIREMENTS PROGRAMME DIRECTOR
Joe Dillane MA E: joe.dillane@setu.ie
LEVEL COURSE DURATION
8 4 YEARS

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; micro electromechanical 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

LOCATION COURSE CODE CAO POINTS 2023 ENTRY REQUIREMENTS PROGRAMME DIRECTOR
Joe Dillane MA E: joe.dillane@setu.ie
LEVEL COURSE DURATION
7 3 YEARS
Bachelor of Engineering (Honours) 
Mechanical & Manufacturing Engineering

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.

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.

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

Year 1 Modules

Bachelor of Engineering
Mechanical Engineering

LOCATION COURSE CODE CAO POINTS 2023 ENTRY REQUIREMENTS PROGRAMME DIRECTOR
Waterford SE712 Round 1: 264 2 subjects: H5 4 subjects: O6/H7 English or Irish: O6/H7 Mathematics: O3/H7 Dr Jim Lawlor PhD E: jim.lawlor@setu.ie

LEVEL 8 COURSE DURATION 4 YEARS

Year 1 Modules

Bachelor of Engineering
Mechanical Engineering

LOCATION COURSE CODE CAO POINTS 2023 ENTRY REQUIREMENTS PROGRAMME DIRECTOR
Waterford SE723 Round 1: 167 5 subjects: O6/H7 English or Irish: O6/H7 Mathematics: O6/H7 Dr Mary Doyle Kent Dr Techn E: mary.doyle-kent@setu.ie

LEVEL 7 COURSE DURATION 3 YEARS

Year 1 Modules

Workshop, Automation, Materials, Science and Automotive laboratories. In addition, industrial visits and field trips are used to enhance the learning experience.

Career opportunities
Graduates of BEng in Mechanical Engineering have found employment in such areas as:
- Engineering support roles in Manufacturing, Energy, Automotive and Automation
- Engineering Supervisor
- Maintenance Engineer
- Associate Design Engineer
- Technical Sales Advisor
- Technical Trainer.
Higher Certificate in Engineering
Mechanical Engineering

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.

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

Bachelor of Engineering
Manufacturing Engineering

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.

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

LOCATION COURSE CODE CAO POINTS 2023 ENTRY REQUIREMENTS PROGRAMME DIRECTOR
Waterford SE731 Round 1: 215 5 subjects: O6/H7 English or Irish: O6/H7 Mathematics: O6/H7 Paul Allen MEng E: paul.allen@setu.ie
LEVEL 6 COURSE DURATION 2 YEARS

LOCATION COURSE CODE CAO POINTS 2023 ENTRY REQUIREMENTS PROGRAMME DIRECTOR
Waterford SE725 Round 1: 295 5 subjects: O6/H7 English or Irish: O6/H7 Mathematics: O6/H7 Dr Mary Doyle Kent Dr Techn E: mary.doyle-kent@setu.ie
LEVEL 7 COURSE DURATION 3 YEARS

WORK PLACEMENT AVAILABLE

73
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: [apprenticeship.ie](http://www.apprenticeship.ie).

For more information on apprenticeships at SETU visit: [www.setu.ie/apprenticeships](http://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

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.

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
Bachelor of Arts (Honours)
Content Creation and Social Media

About the course
The BA in Content Creation and Social Media produces graduates who are champions of their own growth as people and practitioners in a supportive atmosphere structured around key skillsets and knowledge attainment. Over 3/4 years the programme offers practical and theoretical modules and work-experience, building the expertise of learners and allowing them the creative freedom to graduate with a strong individual aesthetic and knowledge of professional standards. The programme provides industry aligned training in skills essential for content creation including multi-modal writing, video and audio editing, platform awareness and multi-screen production. The programme provides a targeted approach to educating learners in all aspects of content creation and social media.

Career opportunities
• Content creation
• Content writer/editor
• Journalism
• Communications
• Social media/content marketing
• Influencing
• Content Management
• Digital design.

Year 1 Modules
 Semester 1
An Introduction and History of Public Relations
Introduction to Media Studies 1
Professional Writing and Research in the Digital Age
Introduction to Digital Marketing
Information Technology

Semester 2
Introduction to Media Studies 2
Social Media Marketing
Social Psychology
Social Media Entrepreneurship
Introduction to Data Analysis for Digital Marketing

Bachelor of Arts
Content Creation and Social Media

About the course
The BA in Content Creation and Social Media produces graduates who are champions of their own growth as people and practitioners in a supportive atmosphere structured around key skillsets and knowledge attainment. Over 3/4 years the programme offers practical and theoretical modules and work-experience, building the expertise of learners and allowing them the creative freedom to graduate with a strong individual aesthetic and knowledge of professional standards. The programme provides industry aligned training in skills essential for content creation including multi-modal writing, video and audio editing, platform awareness and multi-screen production. The programme provides a targeted approach to educating learners in all aspects of content creation and social media.

Career opportunities
• Content creation
• Content writer/editor
• Journalism
• Communications
• Social media/content marketing
• Influencing
• Content Management
• Digital design.

Year 1 Modules
 Semester 1
An Introduction and History of Public Relations
Introduction to Media Studies 1
Professional Writing and Research in the Digital Age
Introduction to Digital Marketing
Information Technology

Semester 2
Introduction to Media Studies 2
Social Media Marketing
Social Psychology
Social Media Entrepreneurship
Introduction to Data Analysis for Digital Marketing
Bachelor of Arts (Honours)

Product Design Innovation

About the course
The Product Design Innovation degree at SETU is a dynamic blend of art and engineering, harnessing creativity and imagination to design solutions for new product development. It offers a deep understanding of human-centric design, driven by insights into how people live, work, and play. Our students become proficient in tools like SolidWorks, Photoshop, and Illustrator, enhancing their problem-solving, making, doing, and teamwork skills. The course leverages design thinking and research to create solutions that improve people’s lives and performance, highlighting design as a creative, collaborative, and life-enhancing pursuit.

Career opportunities
Our graduates enjoy diverse career opportunities. The skills they acquire, including critical thinking, creativity, problem solving, and complex decision making, are applicable across various industries. Design specific paths include in-house design, design consultancies and the entrepreneurial path of freelance design. Their versatility opens doors to careers in product design, UX design, medical device design, sustainable design, service design and beyond. The programme equips graduates for a range of career paths including the skills and confidence necessary to bring their own innovations to market.

Bachelor of Arts

Design

About the course
The Design degree at SETU promotes the practical application of creativity, integrating technical expertise, originality, and aesthetics. Effective design streamlines our interaction with daily products, applications, and services, making them intuitive, efficient, and enjoyable. It encompasses all aspects from physical items and app interfaces to packaging and visual communication, emphasising creative problem-solving, hands-on work, communication, and teamwork.

The programme utilises studio and workshop in conjunction with tools such as SolidWorks, Photoshop, and Illustrator, in the creation and improvement of our everyday experiences.

Career opportunities
Our graduates enjoy diverse career opportunities. The skills they acquire, including critical thinking, creativity, problem solving, and complex decision making, are applicable across various industries. Design specific paths include in-house design, design consultancies and the entrepreneurial path of freelance design. Their versatility opens doors to careers in product design, UX design, medical device design, sustainable design, service design and beyond. The programme equips graduates for a range of career paths, underlining the broad employability of our alumni.
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

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

LOCATION COURSE CODE CAO POINTS 2023 ENTRY REQUIREMENTS PROGRAMME DIRECTOR
Wexford SE204 Round 1: 346 2 subjects: H5 4 subjects: O6/H7 English or Irish: O6/H7 Patrick Morgan, MA E: patrick.morgan@setu.ie
David O’Callaghan, MA E: david.ocallaghan@setu.ie
LEVEL COURSE DURATION
8 4 YEARS

LOCATION COURSE CODE CAO POINTS 2023 ENTRY REQUIREMENTS PROGRAMME DIRECTOR
Wexford SE210 Round 1: 305 5 subjects: O6/H7 English or Irish: O6/H7 Patrick Morgan, MA E: patrick.morgan@setu.ie
David O’Callaghan, MA E: david.ocallaghan@setu.ie
LEVEL COURSE DURATION
7 3 YEARS
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, ie 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.

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 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:
- Professional Artists
- Community Artists
- 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)

Art

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, 3 and 4 complimented 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.

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.

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

Bachelor of Arts

Art

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 complimented 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.

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.

** Entry through a combination of leaving cert points and portfolio.
Bachelor of Arts (Honours)  
Music

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 submit an audition video on a musical instrument/voice demonstrating a performance standard equivalent to Grade 5 of a recognised music examining body.

<table>
<thead>
<tr>
<th>LOCATION</th>
<th>COURSE CODE</th>
<th>CAO POINTS 2023</th>
<th>ENTRY REQUIREMENTS</th>
<th>PROGRAMME DIRECTOR</th>
</tr>
</thead>
</table>
| Waterford (College St campus) | SE206       | Round 1: 296     | 2 subjects: H5  
4 subjects: O6/H7  
English or Irish: O6/H7  
Mathematics: O6/H7 | Dr Hazel Farrell  
PhD  
E: hazel.farrell@setu.ie |

<table>
<thead>
<tr>
<th>LEVEL</th>
<th>COURSE DURATION</th>
<th>4 YEARS</th>
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<thead>
<tr>
<th>Year 1 Modules</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Semester 1</strong></td>
</tr>
</tbody>
</table>
| 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)

About the course
The Bachelor of Laws (Honours) (LLB) is a full-time 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 relevant and advantageous including careers in banking, finance, insurance, governance, public service, journalism and politics.

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

Bachelor of Laws (Honours)  
Law (LLB)

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 foundations 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, financial services, 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

<table>
<thead>
<tr>
<th>LOCATION</th>
<th>COURSE CODE</th>
<th>CAO POINTS 2023</th>
<th>ENTRY REQUIREMENTS</th>
<th>PROGRAMME DIRECTOR</th>
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</thead>
<tbody>
<tr>
<td>Waterford</td>
<td>SE406</td>
<td>Round 1: 270</td>
<td>2 subjects: H5</td>
<td>Dr Geraldine Cleere</td>
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<td>4 subjects: O6/H7</td>
<td>PhD</td>
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<tr>
<td></td>
<td></td>
<td></td>
<td>English or Irish:</td>
<td>E: <a href="mailto:geraldine.cleere@setu.ie">geraldine.cleere@setu.ie</a></td>
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<tr>
<td></td>
<td></td>
<td></td>
<td>O6/H7 Mathematics:</td>
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<td>O6/H7</td>
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</table>

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.

Year 1 Modules

<table>
<thead>
<tr>
<th>Semester 1</th>
</tr>
</thead>
<tbody>
<tr>
<td>Intro to Criminal Justice Studies</td>
</tr>
<tr>
<td>Intro to Psychology</td>
</tr>
<tr>
<td>Intro to Sociological Problems</td>
</tr>
<tr>
<td>Irish Law &amp; Governance</td>
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<tr>
<td>Social Policy, Poverty &amp; Social Exclusion</td>
</tr>
<tr>
<td>Critical Thinking &amp; Writing Skills</td>
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</tbody>
</table>

<table>
<thead>
<tr>
<th>Semester 2</th>
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</thead>
<tbody>
<tr>
<td>Applied Forensics</td>
</tr>
<tr>
<td>Irish Fundamental Rights</td>
</tr>
<tr>
<td>Irish Social Policy</td>
</tr>
<tr>
<td>Irish Law &amp; Governance 2</td>
</tr>
<tr>
<td>Sociology of Contemporary Ireland</td>
</tr>
<tr>
<td>Intro to Research</td>
</tr>
</tbody>
</table>

LAW South East Technological University
Higher Certificate in Arts Legal Studies

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.

Year 1 Modules

<table>
<thead>
<tr>
<th>Semester 1</th>
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</thead>
<tbody>
<tr>
<td>Information Skills</td>
</tr>
<tr>
<td>Information Technology &amp; Applications</td>
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<tr>
<td>Intro to the Irish Legal System 1,</td>
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<tr>
<td>Intro to Commercial Law</td>
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<tr>
<td>Intro to Contract Law</td>
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<tr>
<td>Intro to Crime</td>
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<tr>
<th>Semester 2</th>
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</thead>
<tbody>
<tr>
<td>Legal Writing Skills</td>
</tr>
<tr>
<td>Intro to Labour Law</td>
</tr>
<tr>
<td>Intro to Land Law</td>
</tr>
<tr>
<td>Intro to Torts</td>
</tr>
<tr>
<td>Intro to the Irish Legal System 2</td>
</tr>
<tr>
<td>Legal Literacy &amp; Research</td>
</tr>
</tbody>
</table>

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.

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

<table>
<thead>
<tr>
<th>Semester 1</th>
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<tbody>
<tr>
<td>Business Financial Accounting 1</td>
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<tr>
<td>The Irish Legal System 1</td>
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<tr>
<td>IT for Business</td>
</tr>
<tr>
<td>Business Law 1</td>
</tr>
<tr>
<td>Legal Research &amp; Communications</td>
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</tbody>
</table>

<table>
<thead>
<tr>
<th>Semester 2</th>
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<tbody>
<tr>
<td>Business Financial Accounting 2</td>
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<tr>
<td>The Irish Legal System 2</td>
</tr>
<tr>
<td>Business Law 2</td>
</tr>
<tr>
<td>Management</td>
</tr>
<tr>
<td>Legal Office Fundamentals</td>
</tr>
</tbody>
</table>
EARLY YEARS EDUCATION

South East Technological University

LOCATION

COURSE CODE CAO POINTS 2023 ENTRY REQUIREMENTS PROGRAMME DIRECTOR

Carlow SE913
Level 8 Round 1:
- 2 subjects: H5
- 4 subjects: O6/H7
- English or Irish: O6/H7
- Garda vetting required

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

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

Wexford SE912
Level 8 Round 1:
- 243

COURSE DURATION:

4 YEARS

Carlow SE935
Level 7 Round 1:
- 5 subjects: O6/H7
- English or Irish: O6/H7
- Garda vetting required

Dr Dean McDonnell, PhD
E: dean.mcdonnell@setu.ie

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

Wexford SE934
Level 7 Round 1:
- 171

COURSE DURATION:

3 YEARS
Bachelor of Education (Honours)
Early Childhood Education & Practice

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.

Year 1 Modules
Semester 1
Academic Writing & Enquiry in Higher Education
Intro to Sociology
Creative Arts Practice in Early Childhood
Intro to Psychology
Early Childhood Education & Practice

Career opportunities
Professional employment opportunities can include roles as room leaders, managers and leaders in early childhood settings such as: preschools; 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.

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.
Bachelor of Arts (Honours)
Early Childhood Care & Education

Year 1 Modules

<table>
<thead>
<tr>
<th>Semester 1</th>
<th>Semester 2</th>
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</thead>
<tbody>
<tr>
<td>Critical Thinking &amp; Academic Skills</td>
<td>Child Developmental Psychology 1</td>
</tr>
<tr>
<td>Early Years Pedagogies Children as Learners</td>
<td>Children &amp; Social Interaction</td>
</tr>
<tr>
<td>History of Care in Irish Social Policy</td>
<td>Early Years Education: Methods &amp; Practice</td>
</tr>
<tr>
<td>Intro to Psychology</td>
<td>Intro to Research</td>
</tr>
<tr>
<td>Intro to Sociological Problems</td>
<td>Irish Family Policy</td>
</tr>
<tr>
<td>Personal &amp; Professional Development: Early Childhood Studies 1</td>
<td>Personal &amp; Professional Development: Early Childhood Studies 2</td>
</tr>
</tbody>
</table>
| | }

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
- ECCE settings
- Inspectors of ECCE settings.

Year 1 Modules

<table>
<thead>
<tr>
<th>Module</th>
<th>Level</th>
<th>Course Code</th>
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<tbody>
<tr>
<td>Critical Thinking &amp; Academic Skills</td>
<td>8</td>
<td>SE911</td>
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<tr>
<td>Early Years Pedagogies Children as Learners</td>
<td>8</td>
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<tr>
<td>History of Care in Irish Social Policy</td>
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<tr>
<td>Intro to Research</td>
<td>8</td>
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<tr>
<td>Irish Family Policy</td>
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</tr>
<tr>
<td>Personal &amp; Professional Development: Early Childhood Studies 2</td>
<td>8</td>
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</tbody>
</table>

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.

The course is developed under the foundation of theory, practice, research all with reflective integration.

Garda vetting required

Programme Director
Dr Carol Yelverton-Halpin
PhD
E: carol.yelverton-halpin@setu.ie

Location
Waterford (College St campus)

Cao Points 2023
Round 1: 261

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

Bachelor of Arts (Honours)
Early Childhood Care & Education

Location Course Code CAO Points 2023 Entry Requirements Programme Director
Waterford (College St campus) SE911 Round 1: 261 2 subjects: H5 4 subjects: O6/H7 English or Irish: O6/H7 Mathematics: O6/H7 Dr Carol Yelverton-Halpin PhD E: carol.yelverton-halpin@setu.ie

Level Course Duration
8 4 YEARS

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
- ECCE settings
- Inspectors of ECCE settings.

Bachelor of Arts (Honours)
Early Childhood Care & Education

LOCATION COURSE CODE CAO POINTS 2023 ENTRY REQUIREMENTS PROGRAMME DIRECTOR
Waterford (College St campus) SE911 Round 1: 261 2 subjects: H5 4 subjects: O6/H7 English or Irish: O6/H7 Mathematics: O6/H7 Dr Carol Yelverton-Halpin PhD E: carol.yelverton-halpin@setu.ie

Level COURSE DURATION
8 4 YEARS

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:
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<td>Children &amp; Social Interaction</td>
</tr>
<tr>
<td>History of Care in Irish Social Policy</td>
<td>Early Years Education: Methods &amp; Practice</td>
</tr>
<tr>
<td>Intro to Psychology</td>
<td>Intro to Research</td>
</tr>
<tr>
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<td>Irish Family Policy</td>
</tr>
<tr>
<td>Personal &amp; Professional Development: Early Childhood Studies 1</td>
<td>Personal &amp; Professional Development: Early Childhood Studies 2</td>
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</tbody>
</table>

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.

The course is developed under the foundation of theory, practice, research all with reflective integration.

Garda vetting required

Programme Director
Dr Carol Yelverton-Halpin
PhD
E: carol.yelverton-halpin@setu.ie

Bachelor of Arts (Honours)
Early Childhood Care & Education

LOCATION COURSE CODE CAO POINTS 2023 ENTRY REQUIREMENTS PROGRAMME DIRECTOR
Waterford (College St campus) SE911 Round 1: 261 2 subjects: H5 4 subjects: O6/H7 English or Irish: O6/H7 Mathematics: O6/H7 Dr Carol Yelverton-Halpin PhD E: carol.yelverton-halpin@setu.ie

Level COURSE DURATION
8 4 YEARS

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
- ECCE settings
- Inspectors of ECCE settings.

Year 1 Modules

<table>
<thead>
<tr>
<th>Semester 1</th>
<th>Semester 2</th>
</tr>
</thead>
<tbody>
<tr>
<td>Critical Thinking &amp; Academic Skills</td>
<td>Child Developmental Psychology 1</td>
</tr>
<tr>
<td>Early Years Pedagogies Children as Learners</td>
<td>Children &amp; Social Interaction</td>
</tr>
<tr>
<td>History of Care in Irish Social Policy</td>
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The course is developed under the foundation of theory, practice, research all with reflective integration.

Garda vetting required

Programme Director
Dr Carol Yelverton-Halpin
PhD
E: carol.yelverton-halpin@setu.ie
Bachelor of Arts (Honours)

Arts

About the course
Our Joint Honours Arts Degree offers students a wide range of subject combinations allowing students the opportunity to delve deeper into an area they have already experienced and enjoyed, or to explore new areas and find new passions.

Arts degrees develop a student’s ability to explore complex issues and challenge difficult questions, mindful of the wide diversity of perspectives and the need to act with integrity. Arts graduates are known for their communication, creativity and problem-solving skills; we focus on developing the ability to approach modern issues with the critical and analytical skills necessary to ensure students are grounded in their areas of study, while also future focused.

Career opportunities
Graduates gain employment in a diverse range of careers. Students can access postgraduate degrees that develop one or both of their undergraduate subject areas, or move into other complimentary areas at Masters and PhD level.

Study Abroad is available on this degree, extending your degree by one year. Students who opt in graduate with a BA (Hons) International.

Year 1 Modules
First year is a time for students to work out what each of the subject areas is about. Students choose 3 subjects in first year from our subject offering and gain an understanding of each of these both during the degree and in terms of career pathways. In first year, students take introductory modules in 3 subjects from:
- Social Sciences
- Languages
- English
- Theatre Studies
- Religious Studies
- Psychology
- Law.

At the end of first year, students choose 2 of these for the remainder of their degree.

Bachelor of Arts (Honours)

Social Science

About the course
The BA (Honours) in Social Science is a multi-disciplinary three year course. In times of rapid social and economic change, this programme offers students the opportunity to understand and critically analyse contemporary Irish society and Ireland’s place in an increasingly globalised world.

Students will develop a range of valuable transferable professional and academic skills including critical thinking, problem solving, teamwork, social analysis, and research skills.

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
Semester 1
Critical Thinking & Academic Skills
Intro to Psychology
Intro to Sociological Problems
Intro to politics in the Irish context
Irish Society & the Media
Social Policy, Poverty & Social Exclusion

Semester 2
Development of The Irish Welfare State
Developmental Psychology
Intro to Research
Intro to Social Psychology
Ireland: Race, Nation, Ethnicities
Irish Social Policy
**Bachelor of Arts (Honours)**

**Social Care Practice**

**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 (Hons) 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.

**LOCATION COURSE CODE CAO POINTS 2023 ENTRY REQUIREMENTS PROGRAMME DIRECTOR**

<table>
<thead>
<tr>
<th>Waterford (College St campus)</th>
<th>SE919</th>
<th>Round 1: 260</th>
<th>2 subjects: H5 4 subjects: O6/H7 English or Irish: O6/H7 Garda vetting required</th>
<th>Dr Danielle Douglas PhD E: <a href="mailto:danielle.douglas@setu.ie">danielle.douglas@setu.ie</a></th>
</tr>
</thead>
</table>

**Year 1 Modules**

**Semester 1**

- Introduction to Sociology for Social Care Practice
- Introduction to Psychology
- Health and Safety in Social Care Practice
- Professional Social Care Theory and Practice
- Communications, Research and Study Skills

**Semester 2**

- Introduction to Social Policy for Social Care Practice
- Safeguarding Children and Vulnerable Persons
- Lifespan Development and Individual Difference
- Creative Skills 1
- Professional Social Care Practice
- Contexts Models and Legal System

**LOCATION COURSE CODE CAO POINTS 2023 ENTRY REQUIREMENTS PROGRAMME DIRECTOR**

<table>
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<tr>
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<th>5 subjects: O6/H7 English or Irish: O6/H7 Garda vetting required</th>
<th>Victoria McDonagh MA E: <a href="mailto:victoria.mcdonagh@setu.ie">victoria.mcdonagh@setu.ie</a></th>
</tr>
</thead>
</table>

**Year 1 Modules**

**Semester 1**

- Introduction to Sociology for Social Care Practice
- Introduction to Psychology
- Health and Safety in Social Care Practice
- Professional Social Care Theory and Practice
- Communications, Research and Study Skills

**Semester 2**

- Introduction to Social Policy for Social Care Practice
- Safeguarding Children and Vulnerable Persons
- Lifespan Development and Individual Difference
- Creative Skills 1
- Professional Social Care Practice
- Contexts Models and Legal System

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<th>Waterford (College St campus)</th>
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<th>5 subjects: O6/H7 English or Irish: O6/H7 Garda vetting required</th>
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- Introduction to Psychology
- Health and Safety in Social Care Practice
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**Semester 2**

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**Semester 1**

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- Introduction to Psychology
- Health and Safety in Social Care Practice
- Professional Social Care Theory and Practice
- Communications, Research and Study Skills

**Semester 2**

- Introduction to Social Policy for Social Care Practice
- Safeguarding Children and Vulnerable Persons
- Lifespan Development and Individual Difference
- Creative Skills 1
- Professional Social Care Practice
- Contexts Models and Legal System
Bachelor of Arts (Honours)
Professional Social Care Practice

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.

Year 1 Modules

Semester 1
Intro to Sociology for Social Care Practice
Intro to Psychology
Health & Safety in Social Care Practice
Professional Social Care Theory & Practice
Communications, Research & Study Skills

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

This course is approved by CORU.

Bachelor of Arts
Professional Social Care Practice

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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.

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

Year 1 Modules

Semester 1
Intro to Sociology for Social Care Practice
Intro to Psychology
Health & Safety in Social Care Practice
Professional Social Care Theory & Practice
Communications, Research & Study Skills

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

This course is approved by CORU.
Bachelor of Arts (Honours)

Applied Social Studies in Professional Social Care

About the course
This course prepares graduates to work in social care, providing support and assistance to vulnerable people. These include residential services (adolescent, vulnerable older people); community development, family support, community child care, people with addiction and community disability services. This course requires applicants to successfully complete the Garda Vetting process.

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

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. This course gives you the knowledge and practice based learning skills to work in a wide range of care settings as a registered professional, including child and family, homelessness and addiction services, residential child care settings and day support services.

This course is approved by CORU.

Year 1 Modules

Semester 1
Professional Social Care Theory & Practice
Intro to Sociology for Social Care Practice
Creative Skills 1
Communications, Research & Study Skills
Intro to Psychology

Semester 2
Professional Social Care Practice: Contexts, Models & Legal System
Intro to Social Policy for Social Care Practice
Lifespan Development & Individual Difference
Safeguarding Children & Vulnerable Persons
Health & Safety in Social Care Practice

LOCATION COURSE CODE CAO POINTS 2023 ENTRY REQUIREMENTS PROGRAMME DIRECTOR
Wexford SE917 Round 1: 238 2 subjects: H5 4 subjects: O6/H7
English or Irish: O6/H7 Garda vetting required
Susan Barnes
MA
E: susan.barnes@setu.ie

LEVEL COURSE DURATION
8 4 YEARS

WORK PLACEMENT AVAILABLE

South East Technological University ARTS & SOCIAL STUDIES
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.

Year 1 Modules

<table>
<thead>
<tr>
<th>Semester 1</th>
<th>Semester 2</th>
</tr>
</thead>
<tbody>
<tr>
<td>Communications for Tourism &amp; Hospitality</td>
<td>Accommodation Supervision</td>
</tr>
<tr>
<td>Intro to Management</td>
<td>Beverage &amp; Wine Studies</td>
</tr>
<tr>
<td>Intro to Marketing</td>
<td>Information Communication Technology</td>
</tr>
<tr>
<td>Intro to Tourism &amp; Hospitality Operations</td>
<td>Marketing Mix for Tourism &amp; Hospitality</td>
</tr>
<tr>
<td>Restaurant Service</td>
<td>Front Office Fundamentals</td>
</tr>
<tr>
<td>One elective*</td>
<td>One elective*</td>
</tr>
</tbody>
</table>

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

Bachelor of Business
Tourism & Hospitality Services

About the course
This 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.

During the first semester of year 3, students will complete a placement in Ireland or abroad in a hotel or a tourism site.

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.

Year 1 Modules

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<td>Tourism Studies</td>
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</tbody>
</table>

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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
Semester 1
Introduction to Tourism
Academic & Professional Skills
Statistics & Forecasting
Principles of Event Management
Irish Natural Heritage & Landscape
Digital Skills

Semester 2
Customer Service in Practice
Irish Cultural Heritage
Introduction to Tourism
Investment Maths
Event Management
Digital Skills

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.

Year 1 Modules
Semester 1
Introduction to Tourism
Academic & Professional Skills
Statistics & Forecasting
Principles of Event Management
Irish Natural Heritage & Landscape
Digital Skills

Semester 2
Customer Service in Practice
Irish Cultural Heritage
Introduction to Tourism
Investment Maths
Event Management
Digital Skills
Bachelor of Arts (Honours)
Culinary Arts

About the course
This is a 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.

Higher Certificate in Arts
Culinary Arts

About the course
This is a full-time, four year, level 8 programme of innovative and dynamic culinary study.

We teach you all the traditional culinary skills, but also include a number of other disciplines such as food innovation, media and visual arts, food policy, speciality 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.
COMMON ENTRY
Science (Carlow)

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.

Year 1 Modules

<table>
<thead>
<tr>
<th>Semester 1</th>
<th>Semester 2</th>
</tr>
</thead>
<tbody>
<tr>
<td>Fundamental Biology</td>
<td>Animal &amp; Plant Biology</td>
</tr>
<tr>
<td>Chemistry 1</td>
<td>Chemistry 2</td>
</tr>
<tr>
<td>Physics 1</td>
<td>Physics 2</td>
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<tr>
<td>Laboratory Science</td>
<td>Quantitative Methods 1</td>
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<td>Quantitative Methods 2</td>
</tr>
<tr>
<td>Current Concepts in Science</td>
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</table>

Science — COMMON ENTRY Degree Options

- **Biosciences with Biopharmaceuticals**
  - BSc (Honours) – Level 8

- **Brewing & Distilling**
  - BSc (Honours) – Level 8

- **Pharmaceutics & Drug Formulation**
  - BSc (Honours) – Level 8

FOLLOW ON STUDY — MSc or PhD
COMMON ENTRY — Bachelor of Science (Honours)
Biosciences with Biopharmaceuticals

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.

Year 2 Modules
Semester 1
Instrumentation
Quantitative Methods and Quality Control 1
Fundamentals of Microbiology 1
Molecular Biology 1
Biochemistry Biomolecules

Semester 2
Analytical Techniques
Pharmaceutical Science
Quantitative Methods and Quality Control 2
Fundamentals of Microbiology 2
Molecular Biology 2
Biochemistry Metabolism

Work placement available

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 2 Modules
Semester 1
Instrumentation
Quantitative Methods and Quality Control 1
Analytical Inorganic Chemistry 1
Organic and Physical Chemistry 1

Semester 2
Quantitative Methods and Quality Control 2
Analytical Inorganic Chemistry 2
Organic and Physical Chemistry 2
Biomolecules
Pharmaceutical Science

Work placement available
# COMMON ENTRY — Bachelor of Science (Honours)  
**Brewing & Distilling**

<table>
<thead>
<tr>
<th>LOCATION</th>
<th>COURSE CODE</th>
<th>CAO POINTS 2023</th>
<th>COMMON ENTRY ROUTE</th>
<th>STREAM LEAD</th>
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</thead>
</table>
| Carlow   | SE500       | Round 1: 277    | Science (Common Entry) | Dr David Ryan  
PhD  
E: david.ryan@setu.ie |

### Year 2 Modules

**Semester 1**  
- Biochemistry Biomolecules  
- Fundamentals of Microbiology 1  
- Quantitative Methods and Quality Control 1  
- Analytical Techniques for Brewing and Distilling  
- Mechanical and Electrical Technology in Brewing and Distilling

**Semester 2**  
- Biochemistry Metabolism  
- Fundamentals of Microbiology 2  
- Quantitative Methods and Quality Control 2  
- Malt, Water, Hops and Yeast – Brewing and Distilling Raw Materials  
- Analytical Chromatographic Techniques for Brewing and Distilling

### 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.

### 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.

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# Bachelor of Science (Honours)  
**Brewing & Distilling**

<table>
<thead>
<tr>
<th>LOCATION</th>
<th>COURSE CODE</th>
<th>CAO POINTS 2023</th>
<th>ENTRY REQUIREMENTS</th>
<th>PROGRAMME DIRECTOR</th>
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</table>
| Carlow   | SE521       | Round 1: 321    | 2 subjects: H5  
4 subjects: O6/H7  
English or Irish: O6/H7  
Mathematics: O6/H7 | Dr David Ryan  
PhD  
E: david.ryan@setu.ie |

### 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

### 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.

### 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.
COMMON ENTRY
Science (Waterford)

COURSE CODES
SE501 (Level 8)

STREAMS
Molecular Biology with Biopharmaceutical Science
Food Science & Innovation
Physics for Modern Technology
Pharmaceutical Science

PROGRAMME LEADER
Dr Evelyn Landers
PhD
E: evelyn.landers@setu.ie

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

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.

Students will study many lab and theoretical modules in first year.

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.

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 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

Students should note that a science subject at Leaving Certificate is recommended for this course.

Science — COMMON ENTRY Degree Options

Molecular Biology with Biopharmaceutical Science
BSc (Honours) – Level 8

Food Science & Innovation
BSc (Honours) – Level 8

Physics for Modern Technology
BSc (Honours) – Level 8

Pharmaceutical Science
BSc (Honours) – Level 8

FOLLOW ON STUDY
- MSc or PhD

Postgraduate Study
### 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

**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.
### COMMON ENTRY — Bachelor of Science (Honours)

**Physics for Modern Technology**

<table>
<thead>
<tr>
<th>LOCATION</th>
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<tr>
<td>Waterford</td>
<td>SE501</td>
<td>Round 1: 299</td>
<td>SE501 (Level 8)</td>
<td>Dr Claire Keary, PhD</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>Science (Common Entry)</td>
<td>E: <a href="mailto:claire.keary@setu.ie">claire.keary@setu.ie</a></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td>Dr Joe Murphy, PhD</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td>E: <a href="mailto:joe.murphy@setu.ie">joe.murphy@setu.ie</a></td>
</tr>
</tbody>
</table>

#### Year 2 Modules
- **Semester 1**
  - Mechanics and Waves
  - Science, Universe & Society
  - Electronic Devices & Systems
  - Ordinary Differential Equations
  - Programming Fundamentals 1
  - Spectroscopic Techniques
- **Semester 2**
  - Advanced Mechanics
  - Electromagnetism
  - DC / AC Fundamentals
  - Advanced Calculus
  - Programming Fundamentals 2
  - Thermodynamics for Engineers

**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, renewable energy, and sensor systems. Students develop complementary skills in the areas of physics, engineering, mathematics and programming. They develop associated skills in problem-solving, communication, research methods, team-work and leadership.

**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, environmental science, renewable 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.

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### COMMON ENTRY — Bachelor of Science (Honours)

**Pharmaceutical Science**

<table>
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<tr>
<th>LOCATION</th>
<th>COURSE CODE</th>
<th>CAO POINTS 2023</th>
<th>COMMON ENTRY ROUTE</th>
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<tr>
<td>Waterford</td>
<td>SE501</td>
<td>Round 1: 299</td>
<td>SE501 (Level 8)</td>
<td>Dr Claire Lennon, PhD</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>Science (Common Entry)</td>
<td>E: <a href="mailto:claire.lennon@setu.ie">claire.lennon@setu.ie</a></td>
</tr>
</tbody>
</table>

**Year 2 Modules**
- **Semester 1**
  - Food Analysis
  - Microbiology 1
  - Nutrition
  - Laboratory Data Analysis & Presentation
  - Accounting for Food Scientists
  - Statistics for Scientists
- **Semester 2**
  - Food Microbiology
  - Food Process Technology
  - Food Marketing & Regulation
  - Environmental Monitoring
  - Bioanalytical Methods for the Food Industry
  - The Professional Individual

**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.

* 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

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 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.
Bachelor of Science
Science (General)

- Location: Waterford
- Course Code: SE512
- CAO Points 2023: Round 1: 265
- Entry Requirements: 5 subjects: O6/H7 English or Irish: O6/H7 Mathematics: O6/H7
- Program Director: Dr Evelyn Landers PhD
  E: evelyn.landers@SETU.ie
- Level: 7
- Course Duration: 3 years

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.

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, which are the BSc in Food Science with Business, BSc in Molecular Biology with Biopharmaceutical Science and BSc in Pharmaceutical Science.

* 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
- Introduction to ICT for Scientists
- Good Laboratory Practice & Core Skills

Semester 2
- Cell Biology & Biochemistry
- Physical and Organic Chemistry
- Physics for Scientists
- Mathematics for Scientists
- Choose two electives
- Introduction to Food Science
- Plant Biology
- Introduction to Biotechnology & Pharmaceutical Science
- Introduction to ICT for Scientists

Bachelor of Science
Food Science

- Location: Waterford
- Course Code: SE510
- CAO Points 2023: Round 1: 328
- Entry Requirements: 5 subjects: O6/H7 English or Irish: O6/H7 Mathematics: O6/H7
- Program Director: Dr Elaine Duggan PhD
  E: elaine.duggan@setu.ie
- Level: 7
- Course Duration: 3 years

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.

Career opportunities
Graduates have a wide range of excellent career opportunities with national and international companies in:
- Product development
- Production management
- Food quality and safety
- Sales and marketing.
Graduates from this course also have the opportunity to progress to into Year 4 of BSc (Honours) in Food Science and Innovation 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.
Bachelor of Science
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.

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
Science & Society

Bachelor of Science
Molecular Biology with Biopharmaceutical Science

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.

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).

* 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
Intro to Biotechnology & Pharmaceutical Science
Choose one elective
Forensic Science
Plant Biology
Bachelor of Science
Analytical 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.

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

LOCATION COURSE CODE CAO POINTS 2023 ENTRY REQUIREMENTS PROGRAMME DIRECTOR
Carlow SES13 Round 1: 339 5 subjects: O6/H7 English or Irish: O6/H7 Mathematics: O6/H7 Dr John Cleary PhD E: john.cleary@setu.ie

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 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.

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

LOCATION COURSE CODE CAO POINTS 2023 ENTRY REQUIREMENTS PROGRAMME DIRECTOR
Carlow SES15 Round 1: 244 5 subjects: O6/H7 English or Irish: O6/H7 Mathematics: O6/H7 Dr Rosemary O’Hara PhD E: rosemary.ohara@setu.ie
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.

Higher Certificate in Science
Pharmacy Technician Studies

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 work 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.

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
Bachelor of Science (Honours)
Agricultural Science

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.

Bachelor of Science
Agriculture

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>
<thead>
<tr>
<th>LOCATION</th>
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<th>CAO POINTS 2023</th>
<th>ENTRY REQUIREMENTS</th>
<th>PROGRAMME DIRECTOR</th>
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| Wexford  | SE503       | Round 1: 269    | 2 subjects: H5  
4 subjects: O6/H7  
English or Irish: O6/H7  
Mathematics: O6/H7 | Dr Stephen Whelan  
PhD  
E: stephen.whelan@setu.ie |

**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**
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**
- **Semester 1**
  - Applied Physics & Chemistry  
  - Basic Mathematics  
  - Principles of Crop Production  
  - Farm Health & Safety  
  - Academic & Personal Skills Development  
- **Semester 2**
  - Animal & Plant Biology  
  - Ruminant Animal Production  
  - Intro to ITC for Agriculture  
  - Farm Mechanisation & Regulations  
  - Agribusiness Management

**Location**
Wexford  
**Course Code**
SE503  
**CAO Points 2023**
Round 1: 269  
**Entry Requirements**
2 subjects: H5  
4 subjects: O6/H7  
English or Irish: O6/H7  
Mathematics: O6/H7  
**Programme Director**
Dr Stephen Whelan  
PhD  
E: stephen.whelan@setu.ie  
**Level**
8  
**Course Duration**
4 years

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### Bachelor of Science
#### Sustainable Farm Management & Agribusiness

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<th>LOCATION</th>
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<th>CAO POINTS 2023</th>
<th>ENTRY REQUIREMENTS</th>
<th>PROGRAMME DIRECTOR</th>
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</table>
| Wexford  | SE509       | Round 1: 241    | 5 subjects: O6/H7  
English or Irish: O6/H7  
Mathematics: O6/H7 | Dr Stephen Whelan  
PhD  
E: stephen.whelan@setu.ie |

**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 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**
- **Semester 1**
  - Applied Physics & Chemistry  
  - Basic Mathematics  
  - Principles of Crop Production  
  - Farm Health & Safety  
  - Academic & Personal Skills Development  
- **Semester 2**
  - Animal & Plant Biology  
  - Ruminant Animal Production  
  - Intro to ITC for Agriculture  
  - Farm Mechanisation & Regulations  
  - Agribusiness Management

**Location**
Wexford  
**Course Code**
SE509  
**CAO Points 2023**
Round 1: 241  
**Entry Requirements**
5 subjects: O6/H7  
English or Irish: O6/H7  
Mathematics: O6/H7  
**Programme Director**
Dr Stephen Whelan  
PhD  
E: stephen.whelan@setu.ie  
**Level**
7  
**Course Duration**
3 years
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

Location: Carlow
Course Code: SE732
CAO Points 2023: Round 1: 293
Entry Requirements: 2 subjects: H5
4 subjects: O6/H7
English or Irish: O6/H7
Mathematics: O6/H7

Programme Director:
Dr Anthony Nolan
PhD
E: anthony.nolan@setu.ie

Level: 8
Course Duration: 4 YEARS

Bachelor of Engineering
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

Location: Carlow
Course Code: SE733
CAO Points 2023: Round 1: 218
Entry Requirements: 5 subjects: O6/H7
English or Irish: O6/H7
Mathematics: O6/H7

Programme Director:
Dr John Carroll
PhD
E: john.carroll@setu.ie

Level: 7
Course Duration: 3 YEARS

South East Technological University AGRICULTURE, HORTICULTURE & FORESTRY
Bachelor of Science
Horticulture

About the course
SETU’s 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.

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
Further training opens opportunities to research in plant science, pathology, or ecology.

Year 1 Modules
- Semester 1
  - Communication Skills & Computer Applications
  - Horticulture Skills 1
  - Plant Biology
  - Plant Know ledge 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

Progression
BSc (Hons) in Land Management in Horticulture.

Career opportunities
Further training opens opportunities to research in plant science, pathology, or ecology.

Progression
BSc (Hons) in Land Management in Horticulture.
Bachelor of Science  
Forestry

**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.

<table>
<thead>
<tr>
<th>LOCATION</th>
<th>COURSE CODE</th>
<th>CAO POINTS 2023</th>
<th>ENTRY REQUIREMENTS</th>
<th>PROGRAMME DIRECTOR</th>
</tr>
</thead>
</table>
| Waterford | SE505 | Round 1: 226 | 5 subjects: O6/H7 English or Irish: O6/H7 Mathematics: O6/H7 | Tom Kent  
MSIF  
E: tom.kent@setu.ie |

**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

**Location**  
Waterford

**Course Code**  
SE505

**CAO Points 2023**  
Round 1: 226

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

**Programme Director**  
Tom Kent  
MSIF  
E: tom.kent@setu.ie

**Level**  
7

**Course Duration**  
3 YEARS

**Work Placement Available**
## Computer Science (Waterford)

### 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 Computer Science 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.

### Year 1 Modules

<table>
<thead>
<tr>
<th>Semester 1</th>
<th>Semester 2</th>
</tr>
</thead>
<tbody>
<tr>
<td>Programming Fundamentals 1</td>
<td>Programming Fundamentals 2</td>
</tr>
<tr>
<td>Computer Systems 1</td>
<td>Computer Systems 2</td>
</tr>
<tr>
<td>Website Development 1</td>
<td>Web App Development 1</td>
</tr>
<tr>
<td>Physics 1</td>
<td>Physics 2</td>
</tr>
<tr>
<td>Discrete Mathematics</td>
<td>Applied Calculus</td>
</tr>
</tbody>
</table>

**Choose one elective**
- Automotive & Automation Systems
- Cloud & Networks
- Computer Forensics & Security
- Internet of Things
- Game Development

### Entry Requirements
- 2 subjects: H5
- 4 subjects: O6/H7
- English or Irish: O6/H7
- Mathematics: O3/H7

### Programme Director
Robert O’Connor
MSc
E: robert.oconnor@setu.ie

### Degree Options

<table>
<thead>
<tr>
<th>Programme</th>
<th>Degree</th>
<th>Level</th>
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<tbody>
<tr>
<td>Automotive &amp; Automation Systems</td>
<td>BSc (Honours)</td>
<td>Level 8</td>
</tr>
<tr>
<td>Cloud &amp; Networks</td>
<td>BSc (Honours)</td>
<td>Level 8</td>
</tr>
<tr>
<td>Computer Forensics &amp; Security</td>
<td>BSc (Honours)</td>
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<tr>
<td>Internet of Things</td>
<td>BSc (Honours)</td>
<td>Level 8</td>
</tr>
<tr>
<td>Game Development</td>
<td>BSc (Honours)</td>
<td>Level 8</td>
</tr>
</tbody>
</table>

**FOLLOW ON STUDY**
- Postgraduate Study — MSc or PhD
COMMON ENTRY — Bachelor of Science (Honours)
Computer Science (Automotive & Automation Systems)

About the course
This is a specialism within Computer Science. 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 2 Modules
Semester 1
Data Structure & Algorithms 1
Relational Databases
Computer Networks
Mathematical Methods
Professional Communications
Embedded Systems

Semester 2
Data Structure & Algorithms 2
Software Eng. Practice
Applied Cryptology
Statistics & Probability
DC/AC Fundamentals
Programmatic Logic Controllers

COMMON ENTRY — Bachelor of Science (Honours)
Computer Science (Cloud & Networks)

About the course
This is a specialism within the Computer Science (Common Entry) programme. 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 2 Modules
Semester 1
Data Structure & Algorithms 1
Relational Databases
Computer Networks
Mathematical Methods
Professional Communications
Operating Systems

Semester 2
Data Structure & Algorithms 2
Software Eng. Practice
Applied Cryptology
Statistics & Probability
Network Theory
Networks Infrastructure
COMMON ENTRY — Bachelor of Science (Honours)
Computer Science (Computer Forensics & Security)

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.

Year 2 Modules
Semester 1
- Computer Networks
- Data Structure and Algorithms 1
- File System Forensics
- Mathematical Methods
- Professional Communications
- Relational Databases

Semester 2
- Applied Cryptology
- Data Structures and Algorithms 2
- Forensic Accounting and Fraud Auditing
- Secure Programming and Scripting
- Software Engineering Practice
- Statistics and Probability

COMMON ENTRY — Bachelor of Science (Honours)
Computer Science (Internet of Things)

About the course
This is a specialism within Computer Science (Common Entry) programme. 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.

Year 2 Modules
Semester 1
- Electronic Devices & Systems
- Computer Networks
- Data Structures and Algorithms 1
- Mathematical Methods
- Project Semester 3
- Relational Databases

Semester 2
- IoT Standards & Protocols
- Applied Cryptography
- Data Structures and Algorithms 2
- DC/AC Fundamentals
- Project Semester 4
- Statistics & Probability
**COMMON ENTRY — Bachelor of Science (Honours) Computer Science (Game Development)**

**About the course**
This is a specialism within the Computer Science (Common Entry) programme. 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 2 Modules**

**Semester 1**
- Data Structures and Algorithms
- Relational Databases
- Computer Networks
- Mathematical Methods
- Introduction to Game Design
- Professional Communications

**Semester 2**
- Database Structures and Algorithms
- Statistics and Probability
- Applied Cryptography
- Software Eng. Practice
- Introduction to Game Development
- 3D Game Assets

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**COMMON ENTRY ROUTE**
SE600 Computer Science (Common Entry)

**LOCATION**
Waterford

**COURSE CODE**
SE600

**CAO POINTS 2023**
Round 1: 306

**LEVEL**
8

**COURSE DURATION**
4 YEARS

**STREAM LEAD**

**Robert O’Connor, MSc**
E: robert.oconnor@setu.ie

**Brendan Lyng, MSc**
E: brendan.lyng@setu.ie

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**LOCATION COURSE CODE CAO POINTS 2023 COMMON ENTRY ROUTE COMMON EN**

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**Waterford SE600 306 Computer Science (Common Entry)**

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**Robert O’Connor, MSc**
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**Brendan Lyng, MSc**
E: brendan.lyng@setu.ie

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**LEVEL COURSE DURATION**
8 4 YEARS

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**WORK PLACEMENT AVAILABLE**
# Bachelor of Science (Honours) in Information Technology Management

**LOCATION**
Carlow

**COURSE CODE**
SE601

**CAO POINTS 2023**
Round 1: 322

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

**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 Management Analyst
- IT Manager
- Self-employed IT Professional.

**LOCATION**
Carlow

**COURSE CODE**
SE614

**CAO POINTS 2023**
Round 1: 255

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

**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**
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 products & services. Graduates will develop technical skills in databases, cloud computing, networks and security as well as complete work experience in year 3 to help them build a successful career in IT.

**Career opportunities**
Currently there is a strong demand for graduates with the skill sets obtained from this degree both here in Ireland and abroad. Career opportunities include:
- Database Designer & Developer
- Cloud Computing Architect
- Network Engineer
- Systems Analyst
- Data Quality Manager
- Information Technology Analyst
- Information Security Specialist

**Progression**
BSc (Hons) in Information Technology Management or any other Level 8 Computing course.

**LOCATION**
Carlow

**COURSE CODE**
SE614

**CAO POINTS 2023**
Round 1: 322

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

**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
Bachelor of Science (Honours)
Information Technology

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)
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.
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.

Year 1 Modules

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.

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.

Year 1 Modules

LOCATION COURSE CODE CAO POINTS 2023 ENTRY REQUIREMENTS PROGRAMME DIRECTOR
Carlow SE606 Round 1: 313 2 subjects: H5 4 subjects: O6/H7 English or Irish: O6/H7 Mathematics: O6/H7 Richard Butler MSc E: richard.butler@setu.ie

LEVEL COURSE DURATION
8 4 YEARS

LOCATION COURSE CODE CAO POINTS 2023 ENTRY REQUIREMENTS PROGRAMME DIRECTOR
Carlow SE612 Round 1: 243 5 subjects: O6/H7 English or Irish: O6/H7 Mathematics: O6/H7 Richard Butler MSc E: richard.butler@setu.ie

LEVEL COURSE DURATION
7 3 YEARS

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 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.

SETU’s Bachelor (Honours) of Science in Software Development (SE603) is also offered as a tertiary degree programme with Laois and Offaly Education and Training Board. Full details of this pathway are available on page 132.

**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

**LOCATION**
Carlow

**COURSE CODE**
SE603

**CAO POINTS 2023**
Round 1: 327

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

**PROGRAMME DIRECTOR**
Dr. Joseph Kehoe
PhD
E: joseph.kehoe@setu.ie

**LEVEL**
8

**COURSE DURATION**
4 YEARS

---

Bachelor of Science Software Development

**About the course**
Software development is about creating software: for mobile phones, for websites, for self-driving cars, for banking.

You will learn all the skills needed to become a successful software developer - from computer programming, project management, user interactions as well as how to work in a team.

The third year includes a six months hands-on industry work placement.

**Career opportunities**
Ireland is a large global player in software development: attractive job opportunities are plentiful and forecast to remain high.

Graduates of this course are working in Ireland and around the world with companies such as UNUM, Google, DELL, IBM, Microsoft, HP, AOL, DoneDeal, Symantec, Bank of America and Intel.

Graduates can also progress to our level 8 BSc in Software Development.

**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

**LOCATION**
Carlow

**COURSE CODE**
SE609

**CAO POINTS 2023**
Round 1: 270

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

**PROGRAMME DIRECTOR**
Dr. Chris Meudec
PhD
E: chris.meudec@setu.ie

**LEVEL**
7

**COURSE DURATION**
3 YEARS

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COMPUTING South East Technological University
Bachelor of Science (Honours)
Software Systems Development

**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

**About the course**

People and businesses such as Google, Facebook and Amazon generate vast amounts of data every day with each person leaving a digital footprint. There is a demand for high quality software developers with multi-disciplinary skills and this programme will produce software developers, who can analyse data for businesses to give them a competitive advantage, by equipping them with core skills in data science and information systems allied to excellent software development skills.

This programme provides you with the opportunity to become a well-rounded software developer with a background in either business, psychology, or a European language.

**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.

About the 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. Our students also have the option to choose and elective stream of modules in either business, languages or psychology.

On completion of the programme, students will have the skillset necessary to become competent software developers and data scientists. The course will also equip the student with the other skills required to work in the software systems industry, including the ability to work as part of a development team, and the ability to work with the system user through all stages of system development.

**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.
Bachelor of Science (Honours)
Creative Computing

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

LOCATION COURSE CODE CAO POINTS 2023 ENTRY REQUIREMENTS PROGRAMME DIRECTOR
Waterford SE605 Round 1: 326 2 subjects: H5
4 subjects: O6/H7
English or Irish: O6/H7
Mathematics: O5/H7
Bernie McKeown, MSc
E: bernie.mckeown@setu.ie
Jacqui Woods O’Brien, MSc
E: jacqui.woodsobrien@setu.ie

WORK PLACEMENT AVAILABLE

Bachelor of Science
Creative Computing

About the course
Creative Computing aims to provide students with the cross disciplinary skills of computing and creative media to work in today’s highly dynamic digital environment. If you would like to study a computing course and you also have a creative ability, this might be the course for you!

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

LOCATION COURSE CODE CAO POINTS 2023 ENTRY REQUIREMENTS PROGRAMME DIRECTOR
Waterford SE611 Round 1: 253 5 subjects: O6/H7
English or Irish: O6/H7
Mathematics: O5/H7
Bernie McKeown, MSc
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Jacqui Woods O’Brien, MSc
E: jacqui.woodsobrien@setu.ie

LEVEL COURSE DURATION
8 4 YEARS
7 3 YEARS

WORK PLACEMENT AVAILABLE
Bachelor of Science (Honours)
Computing in Interactive Digital Art & Design

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.

Bachelor of Science
Computing in Interactive Digital Art & Design

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
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Graduates will be ready to contribute to the development and preparation of prototypes and style determination of games, applications and entertainment media.
Bachelor of Science (Honours)  
**Computer Games Development**

<table>
<thead>
<tr>
<th>LOCATION</th>
<th>COURSE CODE</th>
<th>CAO POINTS 2023</th>
<th>ENTRY REQUIREMENTS</th>
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<td>E: <a href="mailto:ross.palmer@setu.ie">ross.palmer@setu.ie</a></td>
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</tbody>
</table>

**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 an 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.

**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

Bachelor of Science  
**Computer Games Programming**

<table>
<thead>
<tr>
<th>LOCATION</th>
<th>COURSE CODE</th>
<th>CAO POINTS 2023</th>
<th>ENTRY REQUIREMENTS</th>
<th>PROGRAMME DIRECTOR</th>
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<tr>
<td>Carlow</td>
<td>SE618</td>
<td>NEW COURSE</td>
<td>5 subjects: O6/H7</td>
<td>Ross Palmer</td>
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<td>English or Irish: O6/H7</td>
<td>MSc</td>
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<td>Mathematics: O6/H7</td>
<td>E: <a href="mailto:ross.palmer@setu.ie">ross.palmer@setu.ie</a></td>
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**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 an 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.

**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

**WORK PLACEMENT AVAILABLE**
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

<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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</table>
Tertiary Education Programmes

Tertiary Education Programmes are co-designed and co-delivered by Higher Education Institutions and the Education and Training Boards to provide seamless transitioning pathways from Further Education to Higher Education.

What are the benefits of a tertiary degree programme?
A tertiary degree programme allows you to start your degree in a smaller campus closer to home. This means reduced accommodation and travel expenses, greater study/life balance, and a smoother transition to higher education. There are other advantages, as you can enrol for a tertiary degree programme without CAO points, once you meet the minimum eligibility requirements. Finally, there are no fees for the years of the degree programme provided by the ETB. In subsequent years, the normal registration fees will apply, and you will be eligible to apply for a SUSI grant.

SETU Tertiary Degrees
SETU’s tertiary degree programmes with Laois and Offaly Education and Training Board (LOETB), allow you to start your degree in Portlaoise Institute before completing the final two years of your degree programme at SETU’s Carlow campus.

SETU is also working with Kilkenny and Carlow Education and Training Board (KCETB) and Waterford and Wexford Education and Training Board (WWETB) to introduce degree programmes for 2024/2025.

What programmes are available in SETU?
Starting from the academic year 2023/24, SETU’s Carlow campus offers the following tertiary programmes:

- **Bachelor of Business (Honours)** degree, with specialisation options for years 3 & 4 in Management, International Business, Marketing, Human Resource Management, Supply Chain Management, Accounting and Finance.

- **Bachelor of Science (Honours) in Software Development**.

For more information about tertiary degree programmes at SETU, visit: www.setu.ie/study-setu/undergraduate-study/tertiary-degrees-carlow or contact:

Sarah Sartori
E: sarah.sartori@setu.ie
T: 059 9175719.
Schools' Liaison Team

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 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.

Admissions Offices

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

Jess Lawton
Waterford Campus
T: 051 845534
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

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

Waterford Campus
T: 051 845555
E: caoadmissions.wd@setu.ie

Wexford Campus
T: 059 9175174
E: admissions.cw@setu.ie
Open Days 2023/24

Carlow Campus
Kilkenny Road
Carlow
R93 V960

Parents Information Session (Online)
Tuesday, 28 November
6.30pm - 7.30pm
Carlow Campus

Thursday, 26 October
10.00am - 2.00pm

Wednesday, 17 January
6.00pm - 8.00pm

Saturday, 11 May
10.00am - 2.00pm

Waterford Campus
Cork Road
Waterford
X91 K0EK

Thursday, 9 November
6.30pm - 7.30pm

Friday, 10 November
10.00am - 2.00pm

Thursday, 18 April
6.00pm - 8.00pm

Wexford Campus
Summerhill Road
Wexford
Y35 KA07

Thursday, 16 November
10:00am - 2:00pm