

Faculty of Engineering and Built Environment

Dr Diarmuid Ó Briain

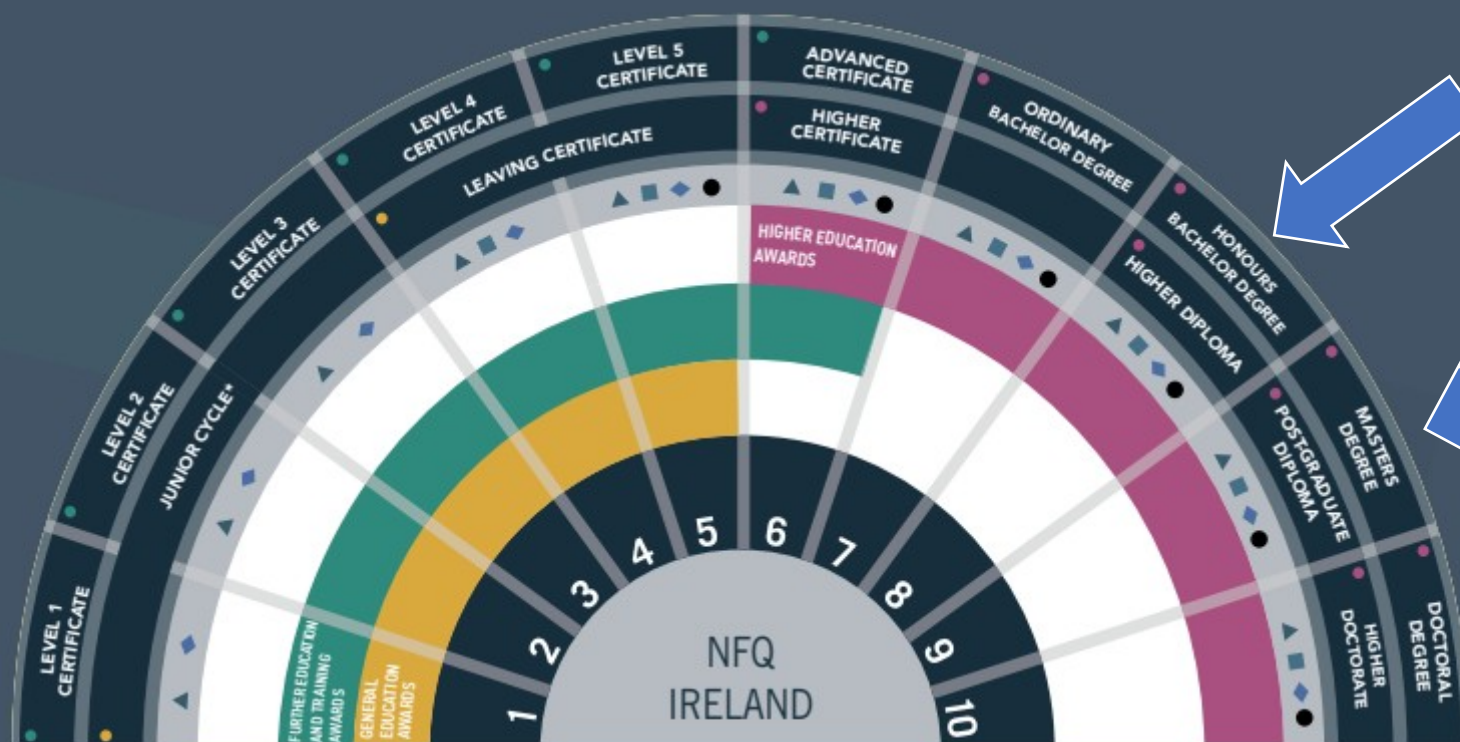
5 February 2026



**DEPARTMENT OF ELECTRONIC
ENGINEERING & COMMUNICATIONS**

SOUTH EAST TECHNOLOGICAL UNIVERSITY

NATIONAL FRAMEWORK OF QUALIFICATIONS



4 year Bachelor's Degree

1 year Taught Masters

3-4 year PhD

SETU UNIVERSITY LANDSCAPE



18,000+

Student
Enrolments



UNIVERSITY
STUDENT
ACCOMMODATION

€€ CORE €€
FUNDING
€173 million



200 **PhD**
STUDENTS



INTERNATIONAL
STUDENTS



112
NATIONALITIES

>1,400 FULL-TIME
STAFF

125,000 M² of
CAMPUS
BUILDINGS



>4,000

major award
graduates
annually

SETU UNIVERSITY LANDSCAPE



Ireland, major cities



SETU UNIVERSITY LANDSCAPE

SETU has three campus located in Ireland's South East Region

- **Carlow**
- **Waterford**
- **Wexford**



Faculty of ARTS AND HUMANITIES

Management

Activities will be co-ordinated for the moment by cross-campus executive teams:

Dr Suzanne Denieffe, Dr Eileen Doyle and Dr Karen Hennessy

Departments

- Law and Criminal Justice
- Social Care and Early Childhood
- Arts
- Culinary Arts, Hospitality and Tourism
- Humanities
- Wexford Campus

Faculty of BUSINESS

Management

Activities will be co-ordinated for the moment by cross-campus executive teams:

Dr Thomas O' Toole, Dr Eileen Doyle and Dr Karen Hennessy

Departments

- Sport, Media and Marketing
- Business
- Management and Organisation
- Graduate Business
- Accountancy and Economics
- Wexford Campus

Faculty of EDUCATION AND LIFELONG LEARNING

Management

Dr Helen Murphy

Departments

- Education
- Lifelong Learning (CW, WX, WW)
- Lifelong Learning (WD)

Faculty of HEALTH SCIENCES

Management

Activities will be co-ordinated for the moment by cross-campus executive teams:

Dr David Dowling and Dr Michael Harrison

Departments

- Nursing and Health Care
- Sport and Exercise Science
- Health and Sports Sciences

Faculty of ENGINEERING AND BUILT ENVIRONMENT

Management

Activities will be co-ordinated for the moment by cross-campus executive teams:

Dr Frances Hardiman and Dr Ken Thomas

Departments

- Engineering Technology (WD)
- Apprenticeships and Skills (WD)
- Architecture and Built Environment (WD)
- Aerospace and Mechanical Engineering (CW)
- Electronic Engineering and Communications (CW)
- Built Environment (CW)
- Extended Campus (CW)

Faculty of SCIENCE AND COMPUTING

Management

Activities will be co-ordinated for the moment by cross-campus executive teams:

Dr David Dowling, Prof Peter Mc Loughlin and Dr Karen Hennessy

Departments

- Science
- Land Sciences
- Computing and Mathematics
- Applied Sciences
- Computing
- Wexford Campus
- Veterinary Medicine
- Pharmacy

Faculty of Engineering & BE plus Computing

Faculty of ENGINEERING AND BUILT ENVIRONMENT

Management

Activities will be co-ordinated for the moment
by cross-campus executive teams:
Dr Frances Hardiman and Dr Ken Thomas

Departments

- Engineering Technology (WD)
- Apprenticeships and Skills (WD)
- Architecture and Built Environment (WD)
- Aerospace and Mechanical Engineering (CW)
- Electronic Engineering and Communications (CW)
- Built Environment (CW)
- Extended Campus (CW)

Faculty of SCIENCE AND COMPUTING

Management

Activities will be co-ordinated for the moment
by cross-campus executive teams:
Dr David Dowling, Prof Peter Mc Loughlin and
Dr Karen Hennessy

Departments

- Science
- Land Sciences
- Computing and Mathematics
- Applied Sciences
- Computing
- Wexford Campus
- Veterinary Medicine
- Pharmacy

Faculty of Engineering & Built Environment



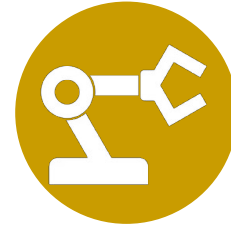
MECHANICAL
ENGINEERING



MANUFACTURING
ENGINEERING



ELECTRONIC
ENGINEERING



ROBOTICS &
AUTOMATION
ENGINEERING



AEROSPACE
ENGINEERING



MECHANICAL &
MANUFACTURING
ENGINEERING



ELECTRICAL
ENGINEERING



SUSTAINABLE CIVIL
ENGINEERING



SUSTAINABLE
ENERGY
ENGINEERING



BIOMEDICAL
ENGINEERING

Programme Design

 ENGINEERS
IRELAND
Accreditation

Work Placement
or Erasmus
Semester in Year 3,
Semester 2

Final Year
Capstone Project

Designed for
Industry

DEPARTMENT of
**AEROSPACE &
MECHANICAL ENGINEERING**

DEPARTMENT OF ELECTRONIC
ENGINEERING & COMMUNICATIONS
SOUTH EAST TECHNOLOGICAL UNIVERSITY

DEPARTMENT of
ENGINEERING TECHNOLOGY

Electronic Engineering and Communications

Level 9 (Masters Degree)

Industrial Networks & Cybersecurity

Level 8 (Degree)

**Robotics &
Automation**

**Electronic
Engineering**

**Biomedical
Electronics**

Level 7 (Degree)

**Robotics &
Automation**

**Electronic
Engineering**

**Biomedical
Electronics**

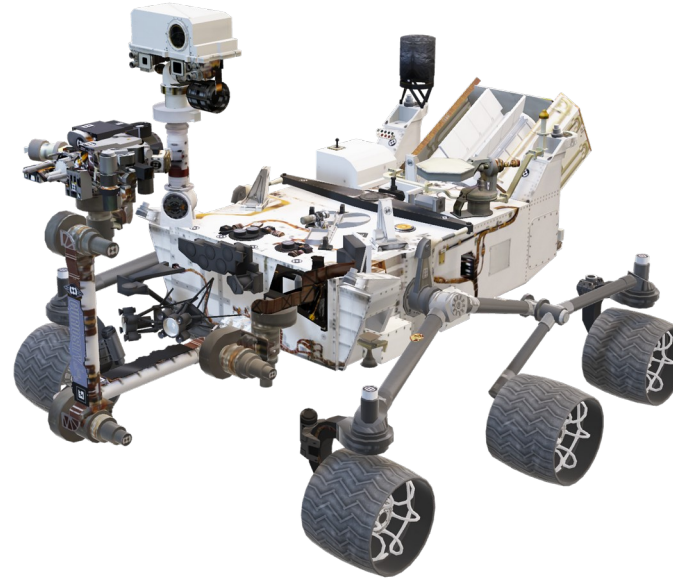
**Industrial Measurement
& Control**

Electronic Engineering & Communications

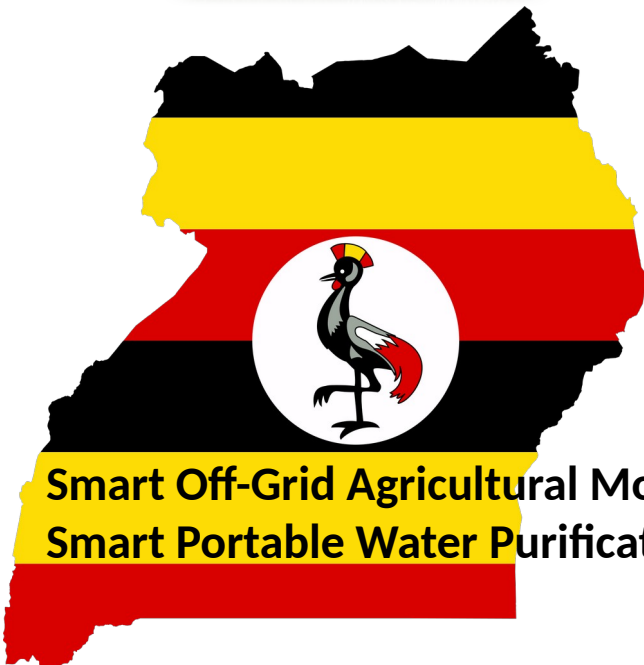
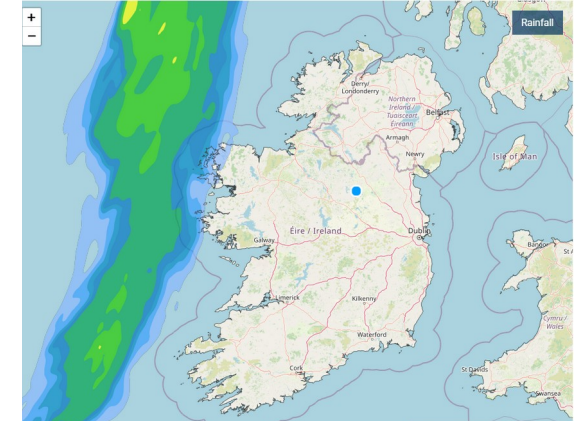


Slaney
Estuary
Monitoring

European Rover
Challenge
MARS Rover



Wexford Coastal Observation and
Weather RADAR Project



Smart Off-Grid Agricultural Monitoring and Irrigation System
Smart Portable Water Purification System



Biomedical COIL

Aerospace and Mechanical Engineering

Level 9 (Masters Degree)

Flight Test Eng

Applied Materials

Level 8 (Degree)

Aerospace Eng

Mechanical Eng

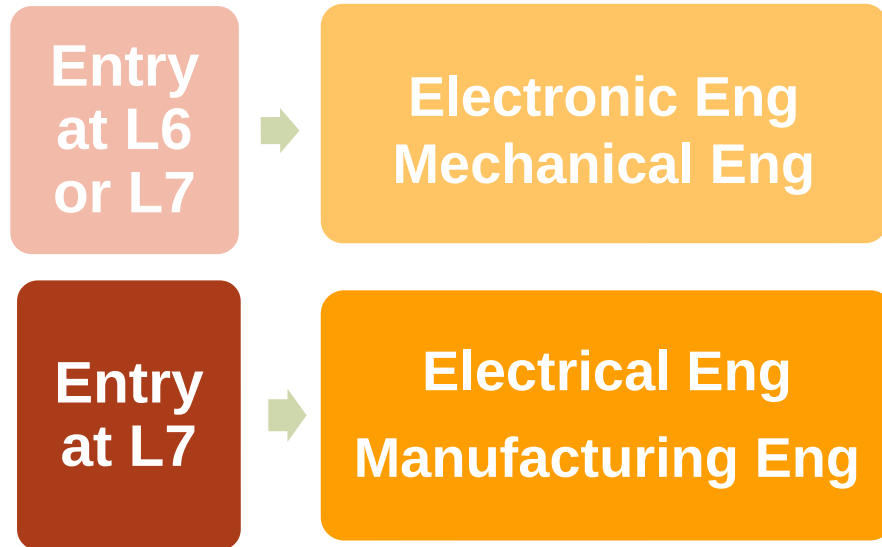
Level 7 (Degree)

Aircraft Eng

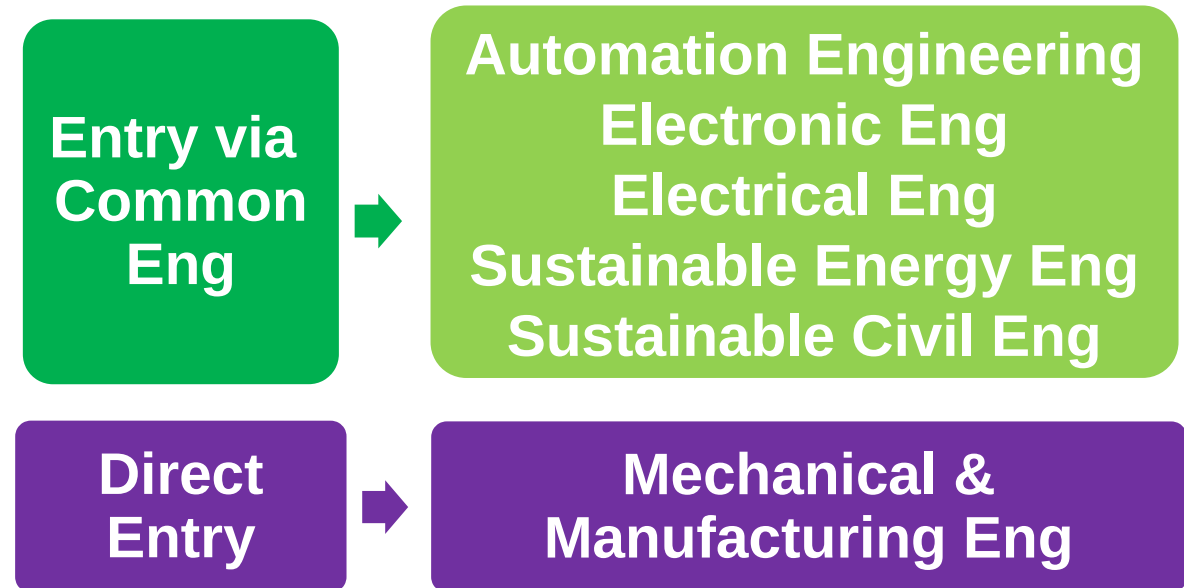
Mechanical Eng

Engineering Technology

Level 7



Level 8



Level 9

MSc in Innovative Technology Engineering
(1 year full time or 2 years part time)

DEPARTMENT of
**ENGINEERING
TECHNOLOGY**

Computing

Year/Stage*	Pathway 1: Core Computing (Cybercrime, IT Mgmt, Software)	Pathway 2: Creative Computing (Games, Digital Art)
Year 1	Common First Year	Common First Year
Year 2	Branches to IT Management, Software, IT Security	Branches to Interactive Design, Games Development
Year 3 (Level 7)	- BSc in IT Management - BSc in Software Development - BSc in Cyber Crime & IT Security	- BSc in Interactive Digital Art & Design - BSc in Computer Games Development
Year 4 (Level 8)	- BSc (Hons) in IT Management - BSc (Hons) in Software Development - BSc (Hons) in Cyber Crime & IT Security	- BSc (Hons) in Interactive Digital Art & Design - BSc (Hons) in Computer Games Development

Master's Level

Level 9	MSc in Cybersecurity, Privacy and Trust	MSc in Data Science
	MSc in Applied Artificial Intelligence	MSc in Information Technology Management

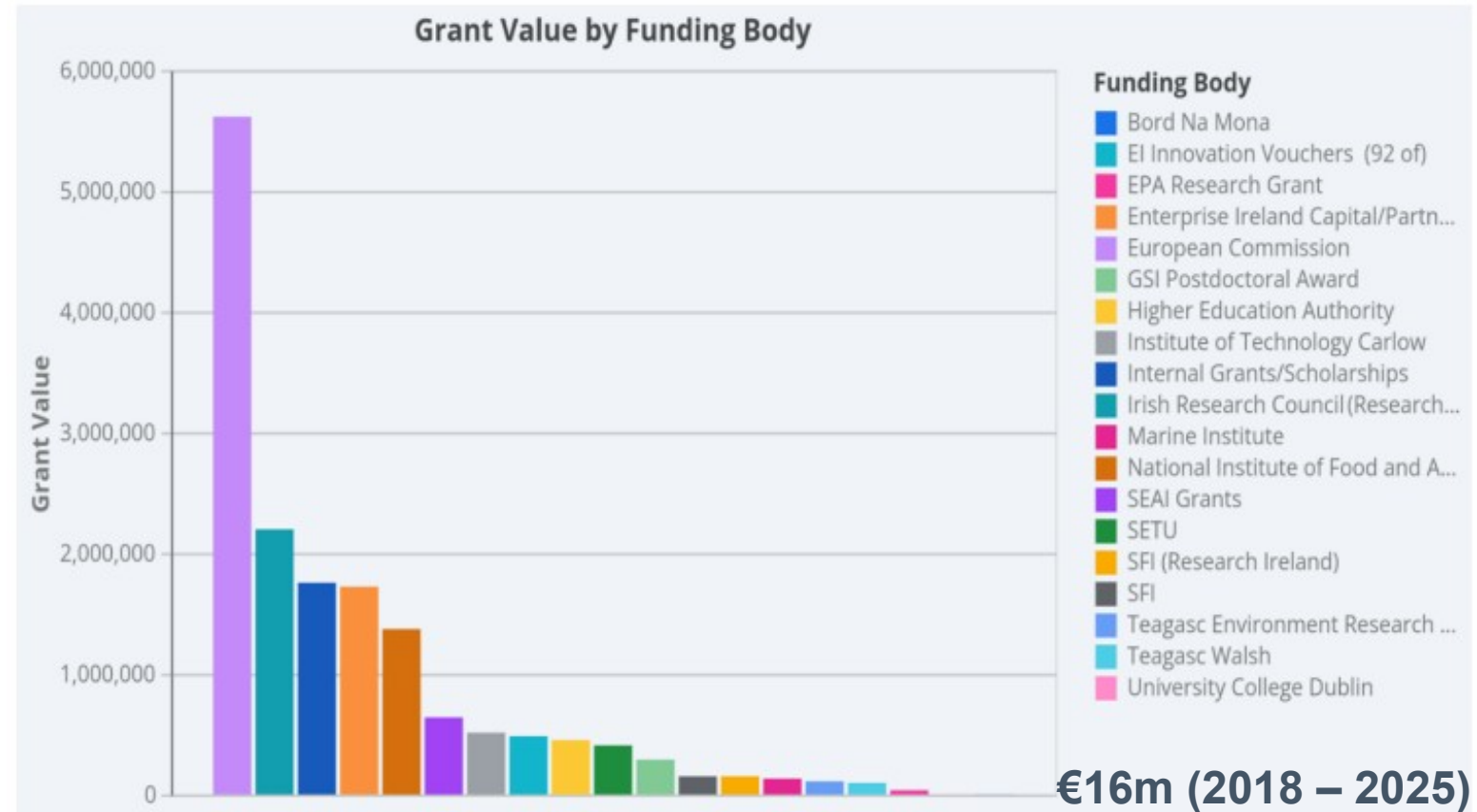
Department of
Computing

C A R L O W

A new Research Centre for SETU



Twin Transition Centre (TTC)

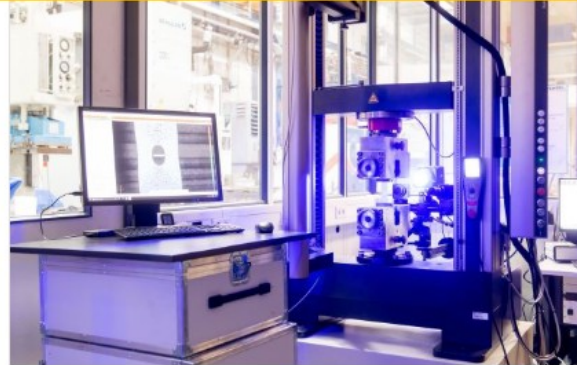


152 Researchers across 3 Faculties



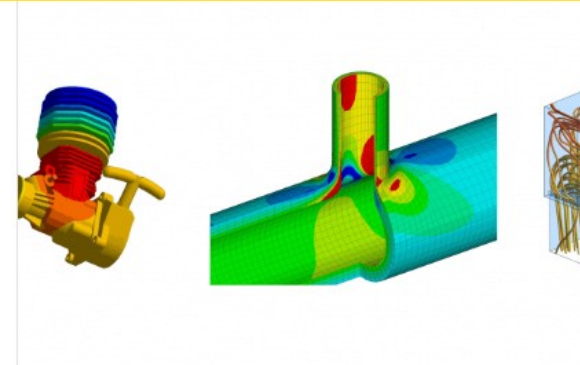
Non-Destructive Analysis

SEAM's industrial CT technology provides completely new insights into the invisible. You can capture, analyze, measure, and inspect internal structures quickly and non-destructively.



Materials Testing

SEAM provides a wide range of material testing service using cutting-edge techniques and provides necessary insight into improving performance and resolving failure or contamination problems.



Engineering Simulation

Learn how to analyse the real-world engineering problem using advanced simulation techniques and gain insight into the unknowns.



Additive Manufacturing

SEAM offers a complete Additive Manufacturing suite from design/optimize to finish product verification. Find out more about the service offerings and on-going research work in AM.

ENGINEERING THE SOUTH EAST MEMBERSHIP CLUSTER



engineeringthesoutheast.com

OUR REACH

Common Drivers

We ensure that members understand there is often commonality between different sectors and that there is a logic in differing companies working together. Initiatives like our "Apprenticeship Awareness Portal" and our "Quality Engineer Programme" have demonstrated that different engineering disciplines can collaborate together to cross pollinate and reap the benefits of shared learning.

Sub-Clusters

The Cluster has identified that the South East has a number of particular regional Engineering strengths that have allowed us to create specific sub-clusters. This has enabled us to focus our activities and generate better impact. These sub-clusters align with a number of global trends that are influencing the future of education and R&D.

OUR SUB-CLUSTERS

HYDRAULICS



MODULAR CONSTRUCTION



AUTOMATION / CYBER SECURITY



OFFSHORE WIND



LIFE SCIENCES



Affordability - Tuition Fees & Cost of Living

Faculty	Level	Ireland Fees	
		€'000	₹ Lakhs
Engineering	Undergraduate	9.85 – 25.5	10.50 – 27.19
	Postgraduate	9.95 – 25.0	10.61 – 26.66

Computing	Undergraduate	9.85 – 25.5	10.50 – 27.19
	Postgraduate	9.95 – 27.0	10.61 – 28.79

SETU Fees	
€'000	₹ Lakhs
14.5	15.50
15.0	16.00

14.5	15.50
15.0	16.00

Living Expenses: €12,000 – 15,000 or ₹12.80 – ₹16.00 Lakhs

Entry Awards and Scholarships 2026/27

Entry Awards

1	€1,000
2	€2,000
3	€3,000

Scholarships for Academic Excellence

50%
100%

scholarships for academic excellence aimed at identifying and supporting talented students to full-time programmes. These will require a standalone application once a student receives an offer to a programme.

Information on these will be on our website at: <https://www.setu.ie/global/scholarship>



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**DEPARTMENT OF ELECTRONIC
ENGINEERING & COMMUNICATIONS**

SOUTH EAST TECHNOLOGICAL UNIVERSITY



SETU Engineering



**MSc in Industrial Networks
& Cybersecurity**



**Student
Experience**