



Teesside University is a leading university with an international reputation for academic excellence that provides an outstanding student and learning experience underpinned by research, enterprise and professions.

Founded on a rich heritage, the University has taken a leading role in employer engagement, the enhancement of learning, teaching and the student experience, real-world research, staff and leadership development, employer workforce development, social, cultural and community enrichment and widening participation.

85 years of teaching excellence and innovation in education

Awarded 'Silver' in Teaching Excellence Framework (TEF) 2017

Listed in the Times Higher Education World University Rankings 2017-18

Source: <https://www.tees.ac.uk/sections/international/teesside.cfm>

## BACHELOR OF ENGINEERING (HONS) MECHANICAL

*Awarded by Teesside University, UK*

### Course Duration

**Year 1 Entry - 36 months | Year 2 Entry - 24 months**

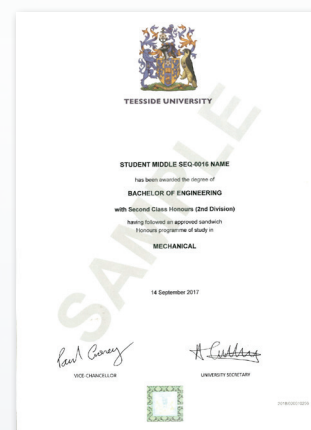
### Programme Objectives

The overall aims of the programme are to:

- Produce graduates with an enthusiasm for mechanical engineering, an appreciation of its application in different contexts and to involve them in an intellectually stimulating and satisfying experience of learning and studying
- Produce graduates with the ability to apply their knowledge and understanding in order to be competitive and creative in the industry
- Produce graduates with the ability to apply a variety of methods and skills in the investigation and solution of real mechanical engineering problems
- Produce graduates with the qualities and skills for employability, enabling them to either pursue programmes of further study or to move directly into their chosen employment in industry and manage their own continuous professional development

### Award

Students who successfully complete all coursework and pass the examinations will be awarded with Bachelor of Engineering (Hons) Mechanical from Teesside University, UK.



## Modules

| Year 1                                       | Year 2                                | Year 3                          |
|--|---------------------------------------|---------------------------------|
| Electrical Principles                        | Aeroengines and Rocket Science        | Mechanics of Materials 2        |
| Engineering Design and CAD                   | Dynamic Analysis                      | Applied Dynamics                |
| Thermodynamics                               | Group Design and Build Project        | Computer Aided Analysis         |
| Fluid Mechanics                              | Manufacturing Processes               | Management Skills for Engineers |
| Properties of Materials                      | Mechanics of Materials 1              | Interdisciplinary Group Project |
| Structural Mechanics                         | Product and Assembly Design Modelling | Project                         |
| Professional Skills for Mechanical Engineers | Employment Skills for Engineers       | Internal Combustion Engines     |
| Group Design Project                         | Numerical Methods for Engineers       |                                 |
| Calculus                                     |                                       |                                 |
| Engineering Mathematics                      |                                       |                                 |

## Academic Requirements

All applicants must be of age 17 and above, and must obtain one of the following requirements:

### For Year 1 Entry

- MDIS International Foundation Diploma in Engineering OR
- At least two GCE 'A' Levels including grade C in mathematics and an analytical science subject such as biology, chemistry, computer sciences, physics or technology OR
- 12 years of formal education (with maths and physics background or another related science/technology/engineering subject) OR
- PEI qualifications in engineering related fields, equivalent to pathway programmes, with 10 years of formal education

### For Year 2 Entry

- Relevant polytechnic diplomas in engineering related fields with a pass grade, equivalent to Year 1 OR
- Relevant overseas polytechnic diplomas in engineering related fields, equivalent to Year 1, with 10 years of formal education OR
- Relevant PEI qualifications in engineering related fields, equivalent to Year 1, with 12 years of formal education OR
- Higher National Certificate (HNC) or Higher National Diploma (HND) in fields of science/technology/engineering

## Language Requirements

The applicant is required to achieve one of the following:

- C6 in English at GCE 'O' Level OR
- IELTS 5.5 for Level 4/Year 1 entry OR
- IELTS 6.0 for Level 5/Year 2 entry OR
- Pass grade for MDIS Professional Certificate in English at Advanced Level OR
- Pass the MDIS Placement Test at Advanced Level

| Local Students           |                      |                      |                      |                      | International Students |               |               |
|--------------------------|----------------------|----------------------|----------------------|----------------------|------------------------|---------------|---------------|
| Application Fee          | S\$ 321.00           |                      |                      |                      | Application Fee        | S\$ 321.00    |               |
| Tuition Fees             | Year 1 Entry         |                      | Year 2 Entry         |                      | Tuition Fees           | Year 1 Entry  | Year 2 Entry  |
|                          | Full-time            | Part-time            | Full-time            | Part-time            |                        | S\$ 39,590.00 | S\$ 26,215.00 |
|                          | S\$ 38,520.00        | S\$ 37,985.00        | S\$ 25,145.00        | S\$ 24,610.00        |                        |               |               |
| Non-Tuition Fees         | S\$ 889.35           | S\$ 536.37           | S\$ 719.47           | S\$ 411.69           |                        |               |               |
| <b>Total Course Fees</b> | <b>S\$ 39,409.35</b> | <b>S\$ 38,521.37</b> | <b>S\$ 25,684.47</b> | <b>S\$ 25,021.69</b> |                        |               |               |

Note:

All fees quoted are inclusive of GST.

Non-tuition fees for full-time programmes include MDIS membership entrance fees, annual membership fees, MDIS experience seminars, medical insurance, condition tutorial fee (if applicable) and Fees Protection Scheme (FPS) Insurance Premium.

Non-tuition fees for part-time programmes include MDIS membership entrance fees, annual membership fees, condition tutorial fee (if applicable) and Fees Protection Scheme (FPS) Insurance Premium.

Non-tuition fees for international students are not included.

The above does not include Miscellaneous Fees, which refer to any non-compulsory and non-standard fees which the student will pay only when necessary or applicable. Such fees are normally collected on an ad-hoc basis by the PEI when the need arises.