B80D-DEP Degree Entry Programme in Engineering

**PROGRAMME DETAILS**
- **Programme Code**: B80D-DEP
- **Department**: Service Courses - EPS
- **Main Award**: CERT - Certificate
- **Full Award Title**: Degree Entry Programme in Engineering
- **Level**: Undergraduate

**LOCATION OF STUDY**
- Edinburgh: N
- Scottish Borders: N
- Orkney: N
- Dubai: Y
- Malaysia: N
- Approved Learning Partner: N
- Independent Distance Learners: N
- Collaborative Learning Partner: N
- Other: N

**ASSOCIATED AWARDS**
- **Programme Code**: B80D-DEP
- **Award**: CERT
- **Title**: Degree Entry Programme in Engineering

**ACCREDITATION**
- N/A

**LEARNING OUTCOMES – SUBJECT MASTERY**

- **Understanding, Knowledge and Cognitive Skills**
  - Understanding of Mathematics, Physics or Chemistry, Academic English and Approaches to Learning
  - Understanding of the specialist language used in their intended degree subject
  - Understanding and use of grammatical, lexical, and textual resources for reading, writing and presenting in English
  - Recognition of global features of written discourse such as purpose, intended audience and author viewpoint, and interpret what is implied but not stated in this material.

**Scholarship, Enquiry and Research (Research Informed Learning)**
- N/A

**LEARNING OUTCOMES – PERSONAL ABILITIES**

- **Industrial, Commercial and Professional Practice**
  - Ability to use skills and strategies for effective reading, writing and interpretation in academic settings
  - Ability to use a variety of materials, with appropriate process and acknowledgement, to generate and critically evaluate ideas
  - Ability to understand process approaches
  - Plan and evaluate learning and revise effectively for assessments, examinations and presentations.
  - Record methodologies and study resources used in ways which make them easy to review and learn from
  - Ability to use on-line resources effectively

**Autonomy, Accountability and Working With Others**
- N/A

**Communication, Numeracy & Information and Communications Technology**
- N/A

**APPROACHES TO TEACHING AND LEARNING**
The overall approach in the programme to teaching and learning is a student-centred one, which is designed to show students how to take increasing responsibility for their own learning and development as the programme progresses. The main focus is on active learning through analysis, discussion and use of language as well as practice of learning skills and strategies for learning.

EDUCATIONAL AIMS OF THE PROGRAMME

The Programme is designed for students who wish to undertake a preparatory course for Higher Education in the Engineering stream, or are below the academic and/or English entry requirements to enter directly to HWU degrees, and aims to:

- Provide learning to students at a SCQF level 6 and 7 standard in courses that will allow them to have basic knowledge and understanding required for a smooth transition to Engineering undergraduate courses offered at Heriot-Watt.
- Help students to improve their English language skills to a level suitable for study on Heriot-Watt undergraduate degrees.
- Provide practice in the ways in which students will have to learn and present information in their undergraduate degrees,
- Develop students’ abilities to study independently,
- Develop the problem solving and critical thinking skills required for studying in a UK university.

ASSESSMENT POLICIES

Formative assessment of knowledge and skills are to be undertaken continuously by various means which may include diagnostic tests and self-tests, and producing coursework and self-reflection logs at regular intervals throughout the course.

Summative assessment, in the form of continuous assessment or examinations will measure achievement in the specified learning outcomes.

Approaches to assessment will be continually reviewed as students complete the course and also their performance on the Heriot-Watt University degrees. Specific details about methods of assessment are provided in the appropriate course descriptors.

PROGRAMME STRUCTURE

Mandatory Courses

<table>
<thead>
<tr>
<th>Edinburgh SBC</th>
<th>Orkney</th>
<th>Dubai</th>
<th>HWUM</th>
<th>IDL</th>
<th>Coll. Partner</th>
<th>ALP</th>
<th>Other</th>
<th>Stage</th>
<th>Semester</th>
<th>Course Code</th>
<th>Course Title</th>
<th>SCQF Cr</th>
<th>SCQF Lvl</th>
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<td></td>
<td>Y</td>
<td>B86EM</td>
<td>Entry Mathematics</td>
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<td>Y</td>
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<td>Approaches to Learning</td>
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<td>A</td>
<td>C47AS</td>
<td>Academic English for Science and Engineering</td>
<td>30</td>
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</table>
## Optional Courses

<table>
<thead>
<tr>
<th>Edinburgh</th>
<th>SBC</th>
<th>Orkney</th>
<th>Dubai</th>
<th>HWUM</th>
<th>IDL</th>
<th>Coll. Partner</th>
<th>ALP</th>
<th>Other</th>
<th>Stage</th>
<th>Semester</th>
<th>Course Code</th>
<th>Course Title</th>
<th>SCQF Cr</th>
<th>SCQF Lvl</th>
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<tbody>
<tr>
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<td>1</td>
<td>B86EC</td>
<td>Entry Chemistry</td>
<td>30</td>
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<td></td>
<td>A</td>
<td>1</td>
<td>B86EP</td>
<td>Entry Physics</td>
<td>30</td>
<td>6</td>
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</tbody>
</table>

## ELECTIVES (UG)

**Stage 1**

- Mandatory Credits 1: 70
- Optional Credits 1: 30
- Elective Credits 1: 0
- Total 1: 100

**Stage 2**

- Mandatory Credits 2: 0
- Optional Credits 2: 0
- Elective Credits 2: 0
- Total 2: 0

**Stage 3**

- Mandatory Credits 3: 0
- Optional Credits 3: 0
- Elective Credits 3: 0
- Total 3: 0

**Stage 4**

- Mandatory Credits 4: 0
- Optional Credits 4: 0
- Elective Credits 4: 0
- Total 4: 0

**Stage 5**

- Mandatory Credits 5: 0
- Optional Credits 5: 0
- Elective Credits 5: 0
- Total 5: 0

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**COMPOSITION AND STAGE NOTES (UG)**

**Pre-Entry Stage 0**: 4 courses - 3 mandatory and 1 optional. All mandatory and optional courses are SCQF level 6 or 7.

Mandatory Credits 1: 70
- Optional Credits 1: 30
- Elective Credits 1: 0
- Total 1: 100

Stage 2

Mandatory Credits 2: 0
- Optional Credits 2: 0
- Elective Credits 2: 0
- Total 2: 0

Stage 3

Mandatory Credits 3: 0
- Optional Credits 3: 0
- Elective Credits 3: 0
- Total 3: 0

Stage 4

Mandatory Credits 4: 0
- Optional Credits 4: 0
- Elective Credits 4: 0
- Total 4: 0

Stage 5

Mandatory Credits 5: 0
- Optional Credits 5: 0
- Elective Credits 5: 0
- Total 5: 0
### ASSESSMENT AND PROGRESSION (UG)

#### Reassessment Opportunities

1. A student who has been awarded a Grade E or a Grade F in a course may be re-assessed in that course.
2. A student shall be permitted only one re-assessment opportunity to be taken at the Resit diet of examination following the first assessment of the course.
3. A student shall not be re-assessed in any qualifying course taken in the final stage of a course of study.
4. The Progression Board may permit a student to be re-assessed in any qualifying course not taken in the final stage in order to gain credits for the course, provided that the mark or grade obtained in the first assessment of any such course is used in determining the classification of the degree to be awarded.

#### Progression Requirements

**Part A. The minimum number of credits required to progress through each stage are as follows**

| Stage 1 to 2 | N/A |
| Stage 2 to 3 | N/A |
| Stage 3 to 4 | N/A |
| Stage 4 to 5 | N/A |

**Part B. The minimum grade of D is required in the following courses**

| Stage 1 | N/A |
| Stage 2 | N/A |
| Stage 3 | N/A |
| Stage 4 | N/A |

### AWARDS, CREDITS AND LEVEL (UG)

**Part A. Credit Requirements**

<table>
<thead>
<tr>
<th>Overall Credits</th>
<th>Specific Requirements</th>
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</thead>
<tbody>
<tr>
<td>Integrated Masters</td>
<td>600 SCQF credits including a minimum of 120 credit at Level 11</td>
</tr>
<tr>
<td>Honours Degree (inc.MA)</td>
<td>480 SCQF credits including a minimum of 180 credit at Level 9 and 10 of which at least 90 credits at Level 10</td>
</tr>
<tr>
<td>Ordinary or General Degree</td>
<td>360 SCQF credits including a minimum of 60 credit at Level 9</td>
</tr>
<tr>
<td>Diploma of Higher Education</td>
<td>240 SCQF credits including a minimum of 90 credit at Level 8</td>
</tr>
<tr>
<td>Certificate of Higher Education</td>
<td>120 SCQF credits including a minimum of 90 credit at Level 7</td>
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</table>

**Part B. Mark/Grade Requirements**

<table>
<thead>
<tr>
<th>Overall Mark</th>
<th>Overall Grade</th>
<th>Basis of Overall Mark/Grade</th>
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</thead>
<tbody>
<tr>
<td>Integrated Masters</td>
<td>&gt;=50%</td>
<td>C</td>
</tr>
<tr>
<td>Honours Degree (inc.MA)</td>
<td>&gt;=40%</td>
<td>D</td>
</tr>
<tr>
<td>Ordinary or General Degree</td>
<td>&gt;=40%</td>
<td>D</td>
</tr>
<tr>
<td>Diploma of Higher Education</td>
<td>&gt;=40%</td>
<td>D</td>
</tr>
<tr>
<td>Certificate of Higher Education</td>
<td>&gt;=40%</td>
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### DURATION OF STUDY

<table>
<thead>
<tr>
<th>IN MONTHS</th>
<th>Full-time</th>
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<tbody>
<tr>
<td>Integrated Masters</td>
<td>60</td>
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<tr>
<td>Honours Degree</td>
<td>48</td>
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</table>
**B80D-DEP Degree Entry Programme in Engineering**

<table>
<thead>
<tr>
<th>Qualification</th>
<th>Units</th>
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<tbody>
<tr>
<td>Ordinary or General Degree</td>
<td>36</td>
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<tr>
<td>Diploma of Higher Education</td>
<td>24</td>
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<tr>
<td>Certificate of Higher Education</td>
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