# Course Study Plan for Taylors College Diploma of Science Students

### Degree: BP004 Bachelor of Science
### Degree-specific major: MJD-ENGSC Engineering Science
### Specialisation: Mechanical Engineering (Note: Single major assumed)

## Year 1

<table>
<thead>
<tr>
<th>DIPLOMA CREDIT (48 pts)</th>
<th>MATH1011</th>
<th>PHYS1001</th>
<th>Elective Unit</th>
<th>Broadening Unit</th>
</tr>
</thead>
<tbody>
<tr>
<td>(\text{Multivariable Calculus})</td>
<td>(\text{Physics A})</td>
<td>(\text{Engineering Principles A})</td>
<td>(\text{Effective Communication A})</td>
<td></td>
</tr>
</tbody>
</table>

| \(\text{MATH1012}\) | \(\text{CHEM1002 or CITS1001}\) | \(\text{Elective Unit}\) | \(\text{Elective Unit}\) |
| \(\text{Mathematical Theory & Methods}\) | \(\text{Chemistry A or Computing}\) | \(\text{Engineering Principles B}\) | \(\text{Effective Communication B}\) |

## Year 2

### Semester 1
- **ENSC1002**: Material Behaviour from Atoms to Bridges
- **ENSC2002**: Energy
- **CITS2401**: Computer Analysis & Visualisation
- **Elective**

### Semester 2
- **ENSC2001**: Motion
- **ENSC1001**: Global Challenges in Engineering
- **ENSC3002**: Materials and Manufacturing
- **Elective**

## Year 3

### Semester 1
- **ENSC3003**: Fluid Mechanics
- **ENSC3004**: Solid Mechanics
- **L2 or L3 Elective**

### Semester 2
- **ENSC3001**: Mechanisms and Machines
- **ENSC3007**: Heat and Mass Transfer
- **MATH3023**: Advanced Mathematics Applications
- **L2 or L3 Elective**

---

**Please note:** Students who enter with a Diploma of Science from Taylor’s College are granted one year (eight units) of Level 1 credit towards the bachelor’s degree. In order to meet the requirements of your course, you may enrol in up to four Level 1 units in your UWA studies, and must complete at least twelve units at Level 2 and 3.

For more details about the Engineering Science major, please check out the [UWA Handbook](#). For course advice, please contact the [ECM Student Office](#).