How to enroll in the Bachelor of Engineering (Honours) October intake

Azizun Sallehuddin
Course Manager, Course Management Office
<table>
<thead>
<tr>
<th>Course Title</th>
<th>Bachelor of Engineering (Honours)</th>
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</thead>
<tbody>
<tr>
<td>Course Code</td>
<td>E3001</td>
</tr>
<tr>
<td>Specialisation/Discipline offered</td>
<td>Chemical Engineering, Civil Engineering, Electrical and Computer Systems Engineering, Mechanical Engineering, Mechatronics Engineering, Software Engineering</td>
</tr>
<tr>
<td>You’ll graduate with</td>
<td>The award title is based on your specialization. For example: Bachelor of Mechatronics Engineering (Honours)</td>
</tr>
<tr>
<td>Credit points</td>
<td>32 units x 6 credit point = 192 credit points</td>
</tr>
<tr>
<td>Duration</td>
<td>4 years</td>
</tr>
<tr>
<td>Time limit</td>
<td>8 years</td>
</tr>
<tr>
<td></td>
<td>(International students are advised to complete 4 years due to student pass requirements)</td>
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<tr>
<td>Meritorious honours</td>
<td>Based on academic achievement, no additional time required.</td>
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</table>
Level 1 - Core units

These five units are compulsory and must be completed at Level 1

- ENG1001 Engineering design: Lighter, faster, stronger
- ENG1002 Engineering design: Cleaner, safer smarter
- ENG1003 Engineering mobile apps
- ENG1060 Computing for engineers
- ENG1005 Engineering mathematics

Students who falls into this category are encouraged to take this unit in the first semester:

- ENG1090 Foundation mathematics

Any student from a one-year pre-U programme, who did not do advanced mathematics and did not score above 80% in basic mathematics, needs to enroll in ENG1090
You must choose at least one unit from:

October semester

- **CHM1051** Chemistry I advanced
- **PHS1002** Physics for engineering
- **FIT1047** Introduction to computer systems. Networks and security *

Semester 1 2020

- **CHE2164** Thermodynamics 1
- **ECE2071** Computer organization and programming
- **MEC2404** Mechanics of fluids
- **FIT1051** Programming fundamentals in java *

Compulsory elective (General studies requirement)

- **ENG2801** Leadership and innovation

* for Software engineers
Let’s enrol

Here’s what to enrol in if **without** ENG1090

<table>
<thead>
<tr>
<th>Oct 2019 sem</th>
<th>ENG1001 Engineering design: lighter, faster, stronger</th>
<th>ENG1005 Engineering mathematics</th>
<th>ENG1060 Computing for engineers</th>
<th>Elective unit</th>
</tr>
</thead>
</table>

After your orientation, you will need re-enrol in the following units for 2020

<table>
<thead>
<tr>
<th>Sem 1 2020</th>
<th>ENG1002 Engineering design: cleaner, safer, smarter</th>
<th>ENG1003 Engineering mobile apps</th>
<th>ENG2801 Leadership and innovation</th>
<th>Elective unit</th>
</tr>
</thead>
</table>

<table>
<thead>
<tr>
<th>Sem 2 2020</th>
<th>ENG2000 Engineering Specialisation selection code (24cp) mid-year entry students</th>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
</table>

Tip!
- Recommended electives according to intended discipline:
  - Oct sem: Chemical – CHM1051; Civil – PHS1002; ECSE – PHS1002; Mechanical – PHS1002; Mechatronics – PHS1002; Software Engineering – FIT1047
  - Sem 1: Chemical – CHE2164; Civil – MEC2404; ECSE – ECE2071; Mechanical – MEC2404; Mechatronics – ECE2071; Software Engineering – FIT1051

Students are not permitted to enrol in other units unless it is granted by the First Year Coordinator
Let’s enrol

Here’s what to enrol in if with ENG1090

| Oct 2019 sem | ENG1001 Engineering design: lighter, faster, stronger | ENG1060 Computing for engineers | ENG1090 Foundation mathematics | Elective unit |

After the school’s orientation, you will need re-enrol in the following units for 2020

| Sem 1 2020 | ENG1002 Engineering design: cleaner, safer, smarter | ENG1003 Engineering mobile apps | ENG2801 Leadership and innovation | ENG1005 Engineering mathematics |
| Sem 2 2020 | ENG2000 Engineering Specialisation selection code (24cp) mid-year entry students |

Tip!
- Recommended electives according to intended discipline:
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Students are not permitted to enrol in other units unless it is granted by the First Year Coordinator
Students are required to read the below orientation webpage prior to the School’s orientation day

https://www.monash.edu.my/engineering/orientation-for-new-students

Have you read and click the “HERE” button for all the FOUR sections below?

1) All about first year
2) Five W’s and One H of first year engineering
3) Engineering essentials
4) Safety awareness
THANK YOU