University has taken proactive actions to improve our curriculum to meet the accreditation requirements. Please refer to the tables below for the arranged curriculum structure.

Please register the courses listed below for the next coming semester

### 2nd Year Students

<table>
<thead>
<tr>
<th>Bil.</th>
<th>Kod/Nama Kursus</th>
<th>Jam kredit</th>
</tr>
</thead>
<tbody>
<tr>
<td>1.</td>
<td>ENT272 Signal Theory &amp; Applications</td>
<td>4</td>
</tr>
<tr>
<td>2.</td>
<td>ENT263 Digital Electronics</td>
<td>4</td>
</tr>
<tr>
<td>3.</td>
<td>ECT200 Engineering Skills II</td>
<td>3</td>
</tr>
<tr>
<td>4.</td>
<td>EQT203 Engineering Mathematics III</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td><strong>Jum. Kredit:</strong></td>
<td><strong>14</strong></td>
</tr>
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</table>

### 3rd Year Students

<table>
<thead>
<tr>
<th>Bil.</th>
<th>Kod/Nama Kursus</th>
<th>Jam kredit</th>
</tr>
</thead>
<tbody>
<tr>
<td>1.</td>
<td>ENT364 Control Systems</td>
<td>4</td>
</tr>
<tr>
<td>2.</td>
<td>ENT373 Embedded System Design &amp; Applications</td>
<td>4</td>
</tr>
<tr>
<td>3.</td>
<td>EPT331 Management &amp; Control of Quality</td>
<td>4</td>
</tr>
<tr>
<td></td>
<td><strong>Jum. Kredit:</strong></td>
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</tr>
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</table>
### 4th Year Students

<table>
<thead>
<tr>
<th>Bil.</th>
<th>Kod/Nama Kursus</th>
<th>Jam kredit</th>
</tr>
</thead>
<tbody>
<tr>
<td>1.</td>
<td>ENT444 Final Year Project</td>
<td>6*</td>
</tr>
<tr>
<td>2.</td>
<td>ENT 268 Electromagnetics theory</td>
<td>3</td>
</tr>
<tr>
<td>3.</td>
<td>ENT473 Mechatronic Systems Design</td>
<td>4</td>
</tr>
<tr>
<td>5.</td>
<td>EN471 Automation</td>
<td>4</td>
</tr>
<tr>
<td>6.</td>
<td>ENT491 Robotic Control</td>
<td>3**</td>
</tr>
<tr>
<td>7.</td>
<td>ENT 492 Robotic Vision</td>
<td>3**</td>
</tr>
<tr>
<td>8.</td>
<td>ENT494 Adaptive Control Systems</td>
<td>3**</td>
</tr>
<tr>
<td>9.</td>
<td>ENT 499 Digital Signal Processing &amp; Applications</td>
<td>3**</td>
</tr>
</tbody>
</table>

**Jum. Kredit : 14**

*kredit dikira pada semester 8
**salah satu kursus elektif

- The University Courses must be taken according to the semester specified in the table.
- It is expected some students will not be able to follow the arranged structure.
- If that’s the case, you may take the courses accordingly to meet your requirements.
- Bear in mind that the University Courses will be offered at Ulu Pauh Campus.
- Hence, the courses in the first semester must be taken in the first semester and the courses in second semester must be taken in the second semester.
<table>
<thead>
<tr>
<th>YEAR</th>
<th>FIRST</th>
<th>SECOND</th>
<th>THIRD</th>
<th>FOURTH</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>I</td>
<td>II</td>
<td>III</td>
<td>IV</td>
</tr>
<tr>
<td>SEMESTER</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>ENT161/4 Electrical Circuits</td>
<td>ENT164/4 Sensors &amp; Measurements</td>
<td>ENT272/4 Signal Theory &amp; Applications</td>
<td>ENT264/4 Distributed Systems</td>
</tr>
<tr>
<td></td>
<td>EKT120/4 Computer Programming</td>
<td>EUT122/2 Skills and Technology in Communication</td>
<td>EQT102/3 Engineering Mathematics II</td>
<td>EUW 224/2 Entrepreneurship</td>
</tr>
<tr>
<td></td>
<td>EQT101/3 Engineering Mathematics I</td>
<td>EQT203/3 Engineering Mathematics III</td>
<td>EUW XXX/1 Co Curriculum</td>
<td>EUW 235/2 Ethnic Relations</td>
</tr>
<tr>
<td>Engineering Core (102)</td>
<td>ENT XXX/3 Elective I</td>
<td>EKT120/4 Computer Programming</td>
<td>EUT122/2 Skills and Technology in Communication</td>
<td>EQT102/3 Engineering Mathematics II</td>
</tr>
<tr>
<td>Non Engineering (18)</td>
<td>EN471/4 Automation</td>
<td>ENT XXX/3 Elective I</td>
<td>EKT120/4 Computer Programming</td>
<td>EUT122/2 Skills and Technology in Communication</td>
</tr>
<tr>
<td></td>
<td>EUW 322/2 Thinking skills</td>
<td>EUW 410/2 University Malay Language</td>
<td>EUW 322/2 Thinking skills</td>
<td>EUW 410/2 University Malay Language</td>
</tr>
<tr>
<td></td>
<td>18</td>
<td>17</td>
<td>16</td>
<td>17</td>
</tr>
</tbody>
</table>

Total Units for Graduation: 135

Course begins in the first semester but total credits are given upon completion of the second semester.

Elective I: (ENT491/3 Robotic Control / ENT 492/3 Robotic Vision) or (ENT494/3 Adaptive Control System/ENT 499/3 Digital Signal Processing & Applications)

Elective II: (ENT498/3 Autonomous Guided Vehicles / ENT 474/3 Intelligent Mechatronic System) or (ENT497/3 Artificial Intelligence in Engineering/ ENT 493/3 Advanced Control System)