Bachelor of Engineering (International Program)

Faculty of Engineering

The programmes offered are:

- Automotive Design and Manufacturing Engineering (ADME)
- NANO Engineering (NANO)
- Information and Communication Engineering (ICE)
- Aerospace Engineering (AERO)
- Robotics and Artificial Intelligence Engineering (AI)

1. Application Requirements

1.1 Applicants must have completed high school or passed an equivalent high school standard test or be currently in their final year of high school (Grade 12 in the US system or Year 13 in the British system).

1.2 Applicants must submit the scores of the following proficiency tests in item 1.2.1-1.2.3. At least 2 out of the 3 score results must meet the following requirements.

1.2.1 Applicants must achieve the specified minimum score in any one of the following English Proficiency tests:

- TOEFL (Internetbased)  
  not lower than 80  
- IELTS  
  not lower than 6.0  
- CU-TEP  
  not lower than 80
1.2.2 Applicants must achieve the specified minimum score in any one of the following Mathematics tests:

- CU-AAT (Math) not lower than 480 or
- SAT (Math) not lower than 620 and
- SAT Subject (Math II) not lower than 600 or
- A Level (Mathematics) not lower than B or
- IB (Mathematics) HL not lower than 6

1.2.3 Applicants must achieve the specified minimum score in any one of the following Science Proficiency tests:

- CU-ATS not lower than 800 or
- SAT Subject (Physics and Chemistry) not lower than 600 or
- A Level (Physics and Chemistry) not lower than B or
- IB (Physics and Chemistry) HL not lower than 6

1.3 Applicants who meet only 2 out of 3 requirements from item 1.2 must still achieve the minimum score in item 1.3:

1.3.1 Applicants must achieve the specified minimum score in any one of the following English Proficiency tests:

- TOEFL (Internetbased) not lower than 61 or
- IELTS not lower than 5.5 or
- CUTEFL not lower than 61
1.3.2 Applicants must achieve the specified minimum score in any one of the following Mathematics tests:

- CU-AAT (Math) not lower than 455 or
- SAT (Math) not lower than 590 and
  SAT Subject (Math II) not lower than 570 or
- A Level (Mathematics) not lower than B or
- IB (Mathematics) HL not lower than 6

1.3.3 Applicants must achieve the specified minimum score in any one of the following Science Proficiency tests:

- CU-ATS not lower than 760 or
- SAT Subject (Physics and Chemistry) not lower than 570 or
- A Level (Physics and Chemistry) not lower than B or
- IB (Physics and Chemistry) HL not lower than 6

The official score reports of the tests in 1.2.1, 1.2.2 and 1.2.3 or 1.3.1, 1.3.2 and 1.3.3 are valid only when the tests were taken not more than two years of the application deadline.

2. Application Package

Applicants must complete the application form and ensure that all information given is accurate. All application forms must be accompanied by the following:

- Three 1-inch photographs
- Academic transcript(s)
- Official test results for all the required tests detailed in section 1.
- A certificate of student status from the current institution (for applicants who are still currently studying in school)
- A copy the applicant’s passport

3. Evaluation Criteria

The Faculty of Engineering will assess each applicant based on the documents listed in section 2. The score will be weighed as follows:

- Cumulative Grade Point Average (GPAX): 5%
- English Proficiency test scores: 20%
- Mathematics test scores: 30%
- Science test scores: 40%
- Interview: 5%

Ranking of all applicants will be made based on their scores and their choice of program applied. Each applicant must also pass an interview.

4. Enrollment

In order to be eligible to enroll at Chulalongkorn University, applicants must have successfully completed an upper secondary or high school education. Applicants who have graduated from international schools in Thailand that have been accredited by the Ministry of Education may use their school transcript or diploma. In all other cases, they need to obtain an equivalent certificate from the Chulalongkorn University
Appendix

Courses List for A level

<table>
<thead>
<tr>
<th>No.</th>
<th>Code</th>
<th>Subject</th>
<th>Applicable</th>
</tr>
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<tbody>
<tr>
<td>1</td>
<td>9709</td>
<td>Mathematics</td>
<td>Yes</td>
</tr>
<tr>
<td>2</td>
<td>9231</td>
<td>Further Mathematics</td>
<td>Yes</td>
</tr>
<tr>
<td>3</td>
<td>9701</td>
<td>Chemistry</td>
<td>Yes</td>
</tr>
<tr>
<td>4</td>
<td>9702</td>
<td>Physics</td>
<td>Yes</td>
</tr>
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</table>

Reference: http://www.cambridgeinternational.org

Courses List for IB

<table>
<thead>
<tr>
<th>No.</th>
<th>Subject</th>
<th>Level</th>
<th>Applicable</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Further Mathematics</td>
<td>Higher level</td>
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<tr>
<td>2</td>
<td>Mathematical studies</td>
<td>Standard level</td>
<td>No</td>
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<tr>
<td>3</td>
<td>Mathematics</td>
<td>Higher level</td>
<td>Yes</td>
</tr>
<tr>
<td>4</td>
<td>Mathematics</td>
<td>Standard level</td>
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</tr>
<tr>
<td>5</td>
<td>Chemistry</td>
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<tr>
<td>6</td>
<td>Chemistry</td>
<td>Standard level</td>
<td>No</td>
</tr>
<tr>
<td>7</td>
<td>Physics</td>
<td>Higher level</td>
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</tr>
<tr>
<td>8</td>
<td>Physics</td>
<td>Standard level</td>
<td>No</td>
</tr>
</tbody>
</table>

Reference: http://www.ibo.org