**BME Curriculum**

<table>
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<tr>
<th>Lower Years</th>
<th>Upper Years</th>
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<tbody>
<tr>
<td><strong>Engineering Foundation</strong></td>
<td><strong>Electives for BME Streams</strong></td>
</tr>
<tr>
<td>Biology / Chemistry / Physics, Engineering Design, Engineering Mathematics, Programming</td>
<td>Graduation Project</td>
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<tr>
<td>BME Fundamentals</td>
<td>BME Electives</td>
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<tr>
<td>Anatomy and Physiology, Biomechanics, Cell and Molecular Biology, Circuits and Signals, Engineering Mathematics</td>
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<tr>
<td>Biomedical Sciences</td>
<td>Physical Education</td>
</tr>
<tr>
<td>Business Administration</td>
<td>Science</td>
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<tr>
<td>Accounting</td>
<td>Arts</td>
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<tr>
<td>Law</td>
<td>Social Science</td>
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<tr>
<td>Science</td>
<td>Physical Education</td>
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<td>Accounting</td>
<td>Law</td>
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</tbody>
</table>

* Units for free electives can be used to fulfill the minor requirement.

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**Streams**

- **Medical Instrumentation & Biosensors**
  - TeleMedicine & Mobile Healthcare
  - Biomedicine & Biotechnology
  - BioMEMS
  - Biomedical Imaging, Informatics & Modeling
  - Biomedical Modeling
  - Biomedical Imaging
  - Biomedical Imaging Applications
  - Sound and Light Waves in Medicine
  - Recommended to minor in Electronic Engineering, Mechanical & Automation Engineering, OR Physics

- **Biomedical Imaging, Informatics & Modeling**
  - Bioinformatics
  - Biomedical Imaging
  - Biomedical Imaging Applications
  - Sound and Light Waves in Medicine
  - Recommended to minor in Computer Science, OR Electronic Engineering

- **Molecular, Cell & Tissue Engineering**
  - Cell Biology
  - Genetic Engineering
  - Bionanotechnology
  - Musculoskeletal Tissue Engineering
  - Biomolecular Engineering
  - BioMEMS
  - Recommended to minor in Biology, OR Biochemistry

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**BME + Business Administration Double-Degree Programme**

The double degree option is designed to provide students with maximum flexibility to acquire a second degree by an additional year after their first degree. Biomedical engineering students can pursue a second bachelor’s degree in the Faculty of Business Administration within a 5-year normative period of study if they fulfill certain requirements. For further information, please refer to the Faculty website at [http://www.org.cuhk.edu.hk/erg/ergbba](http://www.org.cuhk.edu.hk/erg/ergbba).

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**BME Minor Programme**

The BME minor programme is a good option for students with a science background to apply engineering tools on medical science and biology. For details, see the curriculum information in our website: [http://www.bme.cuhk.edu.hk/](http://www.bme.cuhk.edu.hk/)