Where Do Materials Science & Engineering Graduates Find Employment?

Materials scientists and engineers are very flexible in career choices due to their interdisciplinary background giving very good employment opportunities.

Career placement of our graduates (as of November 2012):

### Employers (Some examples)

<table>
<thead>
<tr>
<th>Global Foundries</th>
<th>A*Star research institutes</th>
<th>Citibank</th>
</tr>
</thead>
<tbody>
<tr>
<td>Bombardier Inc</td>
<td>GE Aviation</td>
<td>Merill Lynch (BoA)</td>
</tr>
<tr>
<td>IRAS</td>
<td>SPRING Singapore</td>
<td>Rolls Royce</td>
</tr>
<tr>
<td>Global Engineering (under Pratt &amp; Whitney)</td>
<td>Singapore Customs</td>
<td>HP</td>
</tr>
<tr>
<td>TECH Semiconductor</td>
<td>ExxonMobil</td>
<td></td>
</tr>
</tbody>
</table>

### Pursuit of higher education

<table>
<thead>
<tr>
<th>National University of Singapore</th>
<th>University of Oxford</th>
</tr>
</thead>
<tbody>
<tr>
<td>Stanford University</td>
<td>Massachusetts Institute of Technology</td>
</tr>
<tr>
<td>University of Maryland</td>
<td>University of Connecticut</td>
</tr>
</tbody>
</table>

For more information, please visit our department website at: [http://www.mse.nus.edu.sg/](http://www.mse.nus.edu.sg/)

For undergraduate matters, please email us at: msebox5@nus.edu.sg
What Is Materials Science And Engineering?

As the name suggests, Materials Science and Engineering is a dynamic, interdisciplinary study that combines the fundamental sciences; chemistry, physics and life sciences; with the applied engineering; electronic, mechanical, chemical and bioengineering. Materials make up the things we see and use and Materials Science and Engineering modify them and make them better. This involves studying and designing, processing and fabricating, and developing these functional materials for technological applications, making them useful and reliable in the service of human kind.

YOUR DEGREE.

There is an additional option to choose two areas of specialisation in Materials Science and Engineering:

- Polymeric and Biomedical Materials
- Nanostructured materials & Nanotechnology

The course curriculum is designed to be flexible in terms of specialisation so that it can be adapted to the future needs of Singapore’s industries. In addition, the syllabus is structured taking into account the 3 main core platforms of the department; which is applying functional nano-materials in biomedical technology, infocom technology and sustainable energy technology.

What Type Of Degree Is Awarded?

Materials Science and Engineering graduates will be awarded the degree of “Bachelor of Engineering (Materials Science & Engineering)” or “B.Eng (MSE)”. 

Is B.Eng. (MSE) An Accredited Degree?

The B.Eng. (MSE) is a 4 year programme fully accredited by the Engineering Accreditation Board of the Institution of Engineers Singapore.

What Is The Entry Requirement For The Major Programme?

Currently, the entry requirements to study Materials Science and Engineering are similar to the ones required by NUS Faculty of Engineering. It includes a minimum of two passes at H2 level, one of which must be in Physics or Chemistry and the other in Mathematics.

Bridging courses are available in both physics and chemistry and can be counted towards the total number of modular credits require for graduation under either the University Level Requirements or as an Unrestricted Elective Modules.

Alternatively, some of the accredited polytechnic diplomas holders can gain direct admission into year 2 of the B.Eng (MSE) programme. For other polytechnic diploma holders in a relevant subject with good overall performance may also be admitted to the Department of Materials Science and Engineering on a case-by-case basis.

For more information on admission to MSE, please refer to the NUS Office of Admissions website at: