Is MET right for me?
Yes, if you would like to ...

- Apply engineering principles to **real problems**
- Develop your **personal and professional skills**
- Work with engineers and managers in **leading firms**
- **Manage** projects and people
- Develop **entrepreneurial expertise**
- **Understand** international business issues
- **Integrate** business and management with engineering
What is MET?
How to design the product
How to make components
How to organise the factory
How to manage the business
The business in context
How to design the product

How to make components

How to organise the factory

How to manage the business

The business in context
<table>
<thead>
<tr>
<th>Module</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>3P3</td>
<td>Product design</td>
</tr>
<tr>
<td>3P1</td>
<td>Materials into products</td>
</tr>
<tr>
<td>3P2</td>
<td>Production machines and systems</td>
</tr>
<tr>
<td>3P4</td>
<td>Operations management</td>
</tr>
<tr>
<td>3P5</td>
<td>Industrial engineering</td>
</tr>
<tr>
<td>3P6</td>
<td>Organisational behaviour</td>
</tr>
<tr>
<td>3P7</td>
<td>Managing business and people</td>
</tr>
<tr>
<td>3P8</td>
<td>Financial management &amp; accounting</td>
</tr>
<tr>
<td>3P9</td>
<td>Industrial economics &amp; strategy</td>
</tr>
<tr>
<td>3P10</td>
<td>Contemporary issues in manufacturing</td>
</tr>
</tbody>
</table>

**Integrating activities:** Major Design Project, CAD/CAM exercise, Skills development, Production game, Industrial Visits

---

**Modules** take you through everything you need to know to turn opportunities and ideas into products and services.
Industrial visits to see these things in practice
Industrial visits
Structured **skills development** programme aim to build professional skills, teamwork and confidence
Major design project throughout the year to apply what you learn
Major Design Project

- Small teams design products, build prototypes and prepare business proposals to set up companies
- Presentation at an annual Design Show
Safe ‘sharps’ removal
Mosquito trap
Artificial ankle joint
Arm guard for snowboarding
Walking stick for MS sufferers
Low cost and rugged wheelchair
MET IIA: Final presentation of major project
MET IIA: Design show
What is MET IIB?
How to design the product
How to make components
How to organise the factory
How to manage the business

The business in context

Integrating activities: Major Design Project, CAD/CAM exercise, Skills sessions, Production game, Industrial Visits

Integrating activities: Industrial Projects, Overseas Research Project, Automation Lab, Long Project

MET IIA

3P3 Product design
3P1 Materials into products
3P2 Production machines and systems
3P4 Operations management
3P5 Industrial engineering
3P6 Organisational behaviour
3P7 Managing business and people
3P8 Financial management & accounting
3P9 Industrial economics & strategy
3P10 Contemporary issues in manufacturing

MET IIB

Production Technologies and materials
Manufacturing Systems Engineering
Industrial Operations Management
Technology and Innovation Management
Enterprise Globalisation & Policy
Strategy and Marketing
Sustainable Manufacturing
MET IIB overview

• Alternate teaching modules and industrial projects in 2-4-6 week blocks
• Automation project with industrial standard equipment
• Overseas Research Programme
MET IIB industrial projects

• Work on real problems identified by companies
• Supported by company and university supervisors
• Teams projects report directly to senior management
  – 3-day project in teams of eight
  – 2-week project working in pairs
  – 4-week project in groups of four
• Individual project 6 (+1) weeks
• *Projects can be matched to your area of interest*
MET IIB: Automation lab
MET IIB: Automation lab
Overseas Research Programme (ORP)
So what do METs end up doing?
So, MET is for those who want to ..

• Apply engineering principles to **real problems**
• Develop **entrepreneurial expertise**
• Work with engineers and managers in **leading firms**
• **Manage** projects and people
• **Understand** business issues
• Develop your **personal and professional skills**
• **Integrate** business and management with engineering
One more thing ..
Alan Reece Building at West Cambridge

• Dedicated MET facilities:
  – Lecture theatre
  – Design studio/3D printing lab
  – Study room
  – Robot Lab

• Students are welcome!
  – Large common room shared by all staff and students
  – **Free buns on Fridays!**
I have come to realise quite quickly just how useful a degree MET is. Not only do I owe my current job at Williams to one of my placements, there is no way I could be doing the breadth of interesting things I am doing with a degree in ‘normal’ engineering [..]..
How to find out more...

Talk to us!

Meet the METs lunch TODAY straight after this in LR4

Open Day (talk, tour and lunch) at the IfM on Wednesday 8th May at 1pm.

www.ifm.eng.cam.ac.uk/met