A Masters programme that prepares graduates for a fast-track career in industry
The University of Trinidad & Tobago has launched a post-graduate Masters programme in Industrial Innovation, Entrepreneurship and Management (IIEM).

What is the MSc in IIEM?

IIEM is an eleven-month Masters programme that prepares numerate graduates from Trinidad & Tobago and overseas for a fast-track career in the process and manufacturing industry.

The programme will equip you with the necessary technical and management skills, personal development and industrial experience to be immediately effective in today's industry, and to form the foundation for starting your own business.

IIEM is not a traditional academic programme. A large proportion of the programme is focused on industrial projects and visits which may take place locally and/ or internationally. You will work a full industrial week and conform to business dress codes.

You will learn to balance theory with practice when tackling problems. Your confidence will increase project by project and you will develop the kind of ‘can do’ attitude essential for success in industry. Above all, this programme will be a demanding test of your commitment and courage and possibly the most memorable year of your career.

What will IIEM include?

- An intensive programme of up to 30 company visits. These visits may include companies based in Trinidad & Tobago or internationally and will expose you to many different industries, cultures and working environments.
- A variety of projects that will present you with real challenges in genuine industrial and business environments.
- The opportunity for those with an interest in industrial, product or system design to carry out projects in these fields.
- Teaching in current business practices.
- Experience of business planning to allow you to present credible requests for new business investments and funding.

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<thead>
<tr>
<th>Weeks</th>
<th>Activity</th>
<th>Topics covered</th>
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<tbody>
<tr>
<td>1-4</td>
<td>Induction: Lectures, company visits, teamwork development</td>
<td>Foundation knowledge; comparing industrial sectors; project &amp; presentation skills</td>
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<td>5-7</td>
<td>Company-based projects</td>
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<td>8-9</td>
<td>Dissertation Scoping &amp; Lit Rev, Project-based research based around a portfolio of industrial work</td>
<td>Project scoping, research planning, data analysis</td>
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<td>10-11</td>
<td>Business Strategy &amp; Creation Lectures, company visits, exercises</td>
<td>Business planning strategy, creating new companies</td>
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<td>12-14</td>
<td>Company-based projects (marketing &amp; strategy)</td>
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<tr>
<td>15-16</td>
<td>Design &amp; Process Selection Lectures, company visits, exercises</td>
<td>Generating new products &amp; processes, technology management</td>
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<td>17-18</td>
<td>Christmas Holidays</td>
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<td>19-21</td>
<td>Company-based projects (process improvement)</td>
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<tr>
<td>22-23</td>
<td>Operations &amp; Supply Chain Management Lectures, company visits, exercises</td>
<td>Manufacturing enterprise, production planning &amp; control, quality management, supply chain design</td>
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<td>24-26</td>
<td>Company-based projects (industrial systems)</td>
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<tr>
<td>27-28</td>
<td>Entrepreneurship &amp; Transferable Skills Lectures, exercises</td>
<td>Opportunity recognition, funding, finance, law, project management</td>
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<td>29</td>
<td>Easter Holidays</td>
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<tr>
<td>30-31</td>
<td>Optional Module</td>
<td>An optional project designed in conjunction with local companies and supervisors</td>
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<td>32-34</td>
<td>Option project</td>
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<td>35</td>
<td>Leadership and HR management Lectures, exercises</td>
<td>Legal &amp; practical framework of HRM, finance</td>
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<td>36-40</td>
<td>Business Plan Competition</td>
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<tr>
<td>41-43</td>
<td>Dissertation write-up, Supervisor meetings</td>
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<td>43-45</td>
<td>Overseas Tour</td>
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<td>46</td>
<td>Wind-up week</td>
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The IIEM programme (Indicative Programme)
• A range of problem analysis tools with the opportunity to apply them during project assignments.

• Training in how to search for and analyse meaningful data.

• Coaching in professional presentation skills which will be demonstrated when you give your formal end-of-project presentations.

• Guidance in effective report writing.

• The chance to develop your leadership skills, not only in your dealings with outside companies but also in the organisation of internal programme activities.

• A focus on successful team-work when working on company projects so that you learn to relate effectively with people at all levels and in all business functions.

What are the minimum requirements for entry?

You will need a recognised Bachelor’s degree in Engineering or related discipline with a minimum of GPA of 3.0 or equivalent.

If you already have some initial industry experience or knowledge, it will be helpful if you can give examples of how you maximised this opportunity to develop your skills and interest in this area.

We welcome international students but please note that if English is not your first language, then you will need to prove a high level of spoken and written English in order to meet the demands of the programme.

What will it cost?

UTT is GATE approved, and grants can be obtained for the IIEM programme. Information about fees and funding and this initiative can be found at:
http://utt.edu.tt/academics/admissionreq.aspx?id=3316

How will IIEM enhance my career prospects?

IIEM will broaden your perspective and experience and open the door to a wide range of industrial careers with major companies both regionally and internationally.

If you prefer to work in a smaller company, then IIEM will give you the confidence and ability to start directly in a manufacturing engineering or management role.

Students with entrepreneurial flair gain the knowledge to help them set up their own companies.
The programme
The IIEM programme is based on an established, long running post graduate programme from the Institute for Manufacturing in the UK.

The students
Students are encouraged to tackle real-life situations and actively participate in creating immediate business benefits and solutions.

The companies
The IIEM programme prepares high potential individuals to step into demanding roles with fresh perspectives on the business and its place in local and international markets.

Further Information
The IIEM programme will be recruiting for September ’06, and is based at UTT’s O’Meara campus, located in Arima. The O’Meara campus will be fully equipped with the latest multimedia and ICT equipment and the IIEM programme will have full access to industrial labs with new equipment.

To find out more, or to enquire about applying for the course, please contact us:

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