Aims
The programme aims to further the training of graduates for a career in science and technology. The programme exposes the highly interdisciplinary nature of green technology as it encompasses the fields of science, technology and the social implications it has on human activities. Though the programme is managed by the Department of Physics, the content of the programme is not restrictive only to physical science instructions, but also covers the areas of energy production, environmental monitoring, social studies and hands-on experience.

Admission Requirements
Applicants should possess:
(a) a bachelor’s degree from an accredited university or recognised institution of higher studies, preference will be given to holders of degrees in science or engineering; or
(b) a professional qualification equivalent to tertiary academic level, from the Hong Kong Institution of Engineers, a member institute in the British Engineering Council, etc.

Work experience is an advantage but not essential.

Non-local candidates from an institution where medium of instruction is not English have to satisfy any one of the following requirements:
(a) a minimum TOEFL score of at least 537 (paper-based test), 203 (computer-based test), or 74 (internet-based test); or
(b) IELTS overall band score of 6.0; or
(c) a score of 450 in the new College English Test (CET6) of China or a pass in the old CET-6 test.

Structure of the Programme
The programme’s main focus is on technologies associated with the betterment of the environment and energy management. Courses in energy production account for one-third of the programme content while 12 units are electives that enable students to have a wide selection of courses to facilitate their career development in the field of science and energy management. The aim of our programme is to train energy technologists in the area of energy physics and be analytical on socio-economic issues on energy production. A key feature in the MSc programme is to enhance students’ learning by the abundance of experimental laboratory courses in laboratory and project work that all students must complete to graduate. This whole-person training approach is the education ethos that the University values and this is put into practice in the programme structure by engaging the students to learn through classroom participation, extra-curricular activities and diversity in both subject range and mode of instructions.

The courses are 3-unit each and students need to take a total of 30 units to graduate. The academic year comprises three semesters which translates to a year schedule of 3 to 4 courses taken in each semester. A list of the courses is detailed below:

Major Core Courses 18 units
Energy Production Courses
- Renewable Energy Technologies I 3 units
- Renewable Energy Technologies II 3 units
- Renewable Energy Technologies III 3 units

Experimental Training
- Green Lab 3 units
- Project in Green Technology I 3 units
- Project in Green Technology II 3 units

Elective Courses 12 units
- Physics for Green Technology 3 units
- Introduction to Modern Materials 3 units
- Energy Usage, the Environment & Sustainability 3 units
### Master of Science (MSc) in Information Technology Management

(One-year Full-time or Two-year Part-time)

Prof. LEUNG Yiu Wing, Programme Director

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<table>
<thead>
<tr>
<th>Course</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>Principle of Optoelectronics</td>
<td>3</td>
</tr>
<tr>
<td>Principles of Photonics Physics</td>
<td>3</td>
</tr>
<tr>
<td>Geographic Information System &amp; Remote Sensing</td>
<td>3</td>
</tr>
<tr>
<td>Advances in Display &amp; Lighting</td>
<td>3</td>
</tr>
<tr>
<td>Energy Economics</td>
<td>3</td>
</tr>
<tr>
<td>Environmental Economics</td>
<td>3</td>
</tr>
<tr>
<td>Energy Audit &amp; Management</td>
<td>3</td>
</tr>
<tr>
<td><strong>Total</strong></td>
<td><strong>30</strong></td>
</tr>
</tbody>
</table>

The degree of Master of Science in Green Technology (Energy) shall be awarded to students who have satisfactorily completed all the course requirements. To fulfill graduation requirements, students should obtain Grade C- or above in all courses; and a cumulative GPA of 2.50 or above. Merit will be awarded to students attaining a cumulative GPA between 3.40 and 3.66. Distinction will be awarded to students attaining a cumulative GPA of 3.67 or above, with no course grade below B- and no repeated courses.

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**Aims**

The programme aims to educate IT managers and professionals who possess technical and management knowledge for designing, developing and managing IT systems. It provides a transformational experience in integrating the technological and managerial sides of IT. On completion of this programme, students should be able to achieve the following intended learning outcomes:

(a) Explain the core technical and management concepts and apply these concepts in an integrated manner for IT management.

(b) Explain and apply the current methodologies in some selected areas in IT management (such as IT enterprise management, knowledge and information management, Internet and web technologies, and/or business analytics).

(c) Identify business needs and explain the process of transforming business needs into IT systems.

**Admission Requirements**

(a) Applicants should normally possess a bachelor’s degree in Science, Engineering, Business or other relevant fields from a recognized university or comparable institution or a qualification deemed to be equivalent; and

(b) If applicants did not use English as the medium of learning in their bachelor’s degree programmes, they should satisfy any one of the following English proficiency requirements:

(i) IELTS overall band score of at least 6.0;

(ii) TOEFL score of at least 537 (paper-based) or 203 (computer-based) or 74 (internet-based);

(iii) Other equivalent qualifications (e.g. CET-6 score of at least 450)