Bachelor of Science (Honours) in Testing and Certification

Full-Time Face-to-Face Programme

JUPAS Catalogue No. JS9760

The Testing and Certification industry plays an important role in our daily life. It has been identified by the HKSAR Government as one of the key economic areas where Hong Kong has good potential for strategic development.

Testing and Certification services in Hong Kong are highly professional and with wide international recognition among manufacturers, buyers and consumers.

In line with the HKSAR Government’s strategic direction, the Open University of Hong Kong is offering a 4-year full time face-to-face degree programme BSc (Hons) in Testing and Certification.

Highlights of Programme

► Unique degree programme specially designed for the Testing & Certification Industry
► Strong industrial support with industrial training & placement in Year 2 & Year 3
► Three areas of specialization in Year 3 & Year 4:
  - Electrical & Electronics
  - Physical & Mechanical
  - Chemical & Microbiological
► Multiple (Year 1, Year 2 & Year 3) entry points

FOR ENQUIRY -

PROGRAMME INFORMATION
Dr George H K Lau
Tel: 3120 2688 Fax: 2406 2376
Email: hklau@ouhk.edu.hk

ADMISSION
Information Centre
Tel: 2711 2100 Fax: 2715 0760
Email: info@ouhk.edu.hk

http://tc.ouhk.edu.hk
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Programme Structure
(Total: 170 credits)

<table>
<thead>
<tr>
<th>COURSES</th>
<th>NO. OF COURSES</th>
<th>CREDITS</th>
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<tbody>
<tr>
<td>Core (Common)</td>
<td>19</td>
<td>95 credits</td>
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<tr>
<td>Core (Specialization)</td>
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<td>Guided Industrial Training</td>
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<tr>
<td>Industrial Placement</td>
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<td>General Mathematics and IT</td>
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<td>10 credits</td>
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<td>English Language Enhancement</td>
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<td>General Education</td>
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Highlights of Core Courses

Common Core Courses:

**YEAR 1**
- Algebra & Calculus
- Laboratory Safety & Good Laboratory Practice
- Probability & Distribution
- University Science

**YEAR 2**
- Basic Electronics
- Introduction to Material Science
- Basic Biochemistry & Microbiology
- Metrology & Calibration
- Statistical Analysis for Testing & Certification
- Analytical Instruments
- Principles of Product Design & Manufacturing Process Management
- Guided Industrial Training

**YEAR 3**
- Quality Management for Science & Technology
- Measurement Uncertainty & Test Method Development
- Conformity Assessment & Laboratory Accreditation
- Industrial Placement

**YEAR 4**
- Management Systems for Inspection & Certification Bodies
- Safety & Reliability for Science & Technology
- Professional Practice & Ethics
- Audit, Inspection & Certification
- Testing & Certification Project

Specialization Core Courses:

**YEAR 3**

**ELECTRICAL & ELECTRONICS**
- Electronic Circuit Design
- Electrical Safety & Energy Efficiency
- Selected Electrical & Electronic Testing & Certification Standards

**PHYSICAL & MECHANICAL**
- Physical & Mechanical Behavior of Materials
- Principles of Physical & Mechanical Testing
- Selected Physical & Mechanical Testing & Certification Standards

**CHEMICAL & MICROBIOLOGICAL**
- Analytical Chemistry for Product Testing
- Microbiology & Toxicology
- Selected Chemical & Microbiological Testing & Certification Standards

**YEAR 4**

**ELECTRICAL & ELECTRONICS**
- Electromagnetic Compatibility Measurement & Control
- Electrical & Electronic Testing & Certification in Practice

**PHYSICAL & MECHANICAL**
- Materials Characterization & Testing
- Physical & Mechanical Testing & Certification in Practice

**CHEMICAL & MICROBIOLOGICAL**
- Chemical & Microbiological Analytical Techniques
- Chemical & Microbiological Testing & Certification in Practice