Knowledge is Power. Information is King.

Information Engineering
Building Networked, Smart and Secure Applications for the Information Society

Streams of Specialization

- Big Data: Systems & Applications
- Communications
- Cyber Security
- Internet Engineering
- Enrichment

Check it out!
Nurture and educate engineering leaders of the information world of today and tomorrow.

Curriculum

1. **Foundation**
   - Problem Solving by Programming, Engineering Practicum
   - Foundation Calculus, Linear Algebra, Multivariable Calculus
   - Introduction to Information Engineering, Systems Programming

2. **Advanced**
   - Discrete Mathematics, Probability Models & Applications
   - Data Structures, Signals & Systems, Communication Systems
   - Basic Analog & Digital Circuits, Electronic Circuit Design, Computer Networks

3. **Professional**
   - Information Infrastructure Design
   - Information & Software Engineering Practice
   - Microcontrollers & Embedded Systems

4. **Specialized**
   - Final Year Projects I & II
   - and Major Electives

60+ Major Electives for you to choose, from the fields of Big Data, Information Processing, Cyber Security, Internet Engineering, Telecommunications, Computer Networking, Software Engineering and more!

Graduation Requirements

- Major Requirement 75 units
- University Core Requirement 39 units
- Free Electives 9 units
- Total 123 units

Look up the courses!

Career Prospects

The IERG programme equips our students with sound engineering knowledge and solid experience with innovative technologies. They are of the highest caliber and committed to study and work. Our graduates have established an excellent reputation in the industry and have embarked on promising careers. Around 10% of our fresh graduates continue for full-time studies every year.

94.45%* graduates secured the first full-time job prior to or in September within the year of graduation.

Job Nature of IE Graduates in 2020

<table>
<thead>
<tr>
<th>Field</th>
<th>Percentage</th>
</tr>
</thead>
<tbody>
<tr>
<td>Software Design &amp; Development</td>
<td>41.7%</td>
</tr>
<tr>
<td>Teaching &amp; Research</td>
<td>13.9%</td>
</tr>
<tr>
<td>Solution Architect</td>
<td>11.1%</td>
</tr>
<tr>
<td>System Architect</td>
<td>8.3%</td>
</tr>
<tr>
<td>Data Science</td>
<td>5.6%</td>
</tr>
<tr>
<td>Information Science &amp; Assurance</td>
<td>5.6%</td>
</tr>
<tr>
<td>IT Consulting</td>
<td>5.6%</td>
</tr>
<tr>
<td>Finance</td>
<td>2.8%</td>
</tr>
<tr>
<td>Project Management</td>
<td>2.8%</td>
</tr>
<tr>
<td>Others</td>
<td>2.8%</td>
</tr>
</tbody>
</table>

* Percentages might not total 100% due to rounding. Statistics based on the survey conducted with IE graduates in 2019/20
# Admission Channels

## JUPAS

For secondary school students taking HKDSE. Admission is based on the Best 5 HKDSE subject results with subject weighting.

<table>
<thead>
<tr>
<th>Category</th>
<th>Subject Group</th>
<th>Min. Level</th>
<th>Weight</th>
</tr>
</thead>
<tbody>
<tr>
<td>Core</td>
<td>English Language</td>
<td>3</td>
<td>1</td>
</tr>
<tr>
<td></td>
<td>Chinese Language</td>
<td>3</td>
<td>1</td>
</tr>
<tr>
<td></td>
<td>Mathematics (Compulsory Part)</td>
<td>4</td>
<td>2</td>
</tr>
<tr>
<td></td>
<td>Liberal Studies</td>
<td>2</td>
<td>0.5</td>
</tr>
<tr>
<td>Elective</td>
<td>Mathematics Extended Module I or II</td>
<td>3</td>
<td>1.75</td>
</tr>
<tr>
<td></td>
<td>Physics / Chemistry / Biology / Combined Science / Information and Communication Technology / Design and Applied Technology</td>
<td>3</td>
<td>1.5</td>
</tr>
<tr>
<td></td>
<td>All other Elective Subjects</td>
<td></td>
<td>1</td>
</tr>
</tbody>
</table>

## Non-JUPAS (Local)

For local applicants who are not using the HKDSE results for admissions purpose, such as Associate Degree / Higher Diploma, GCE-AL, IB, SAT/AP and other overseas qualifications.

## Non-JUPAS (Senior Year Entry)

Local applicants who possess Associate Degree or Higher Diploma qualifications may apply for Senior Year admission.

## International

For non-local applicants with international qualifications such as GCE-AL / International-AL, IB, and other high school qualifications from a recognised institution.

Note: Applications of the Non-JUPAS and International schemes will be assessed on a case-by-case basis.

## Mainland

Mainland China students who are current Gaokao candidates (应届高考生) must apply through the National Colleges and Universities Enrolment System (全国普通高校统一招生计划)

## Testimonials

- **WAN Yat-hei**  
  2020 IERG graduate. Currently a Security Trainee at Ensign Infosecurity (East Asia) Limited

  “IE has helped me to build fundamental knowledge in cyber security, which makes it easier for me to develop different cyber security skillsets and pick up new skills for my job.”

- **YIP Wai-shing**  
  2020 IERG graduate. Currently a Consultant at EY

  “Thanks IE for equipping me with rich IT knowledge, strong problem-solving skills and good communication abilities which have become the cornerstone of my career.”

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