

# Bachelor of Engineering (Hons) in Information Engineering



JUPAS CODE

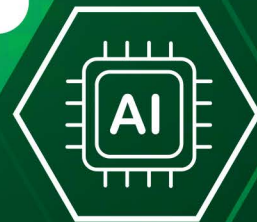
**JS4446**



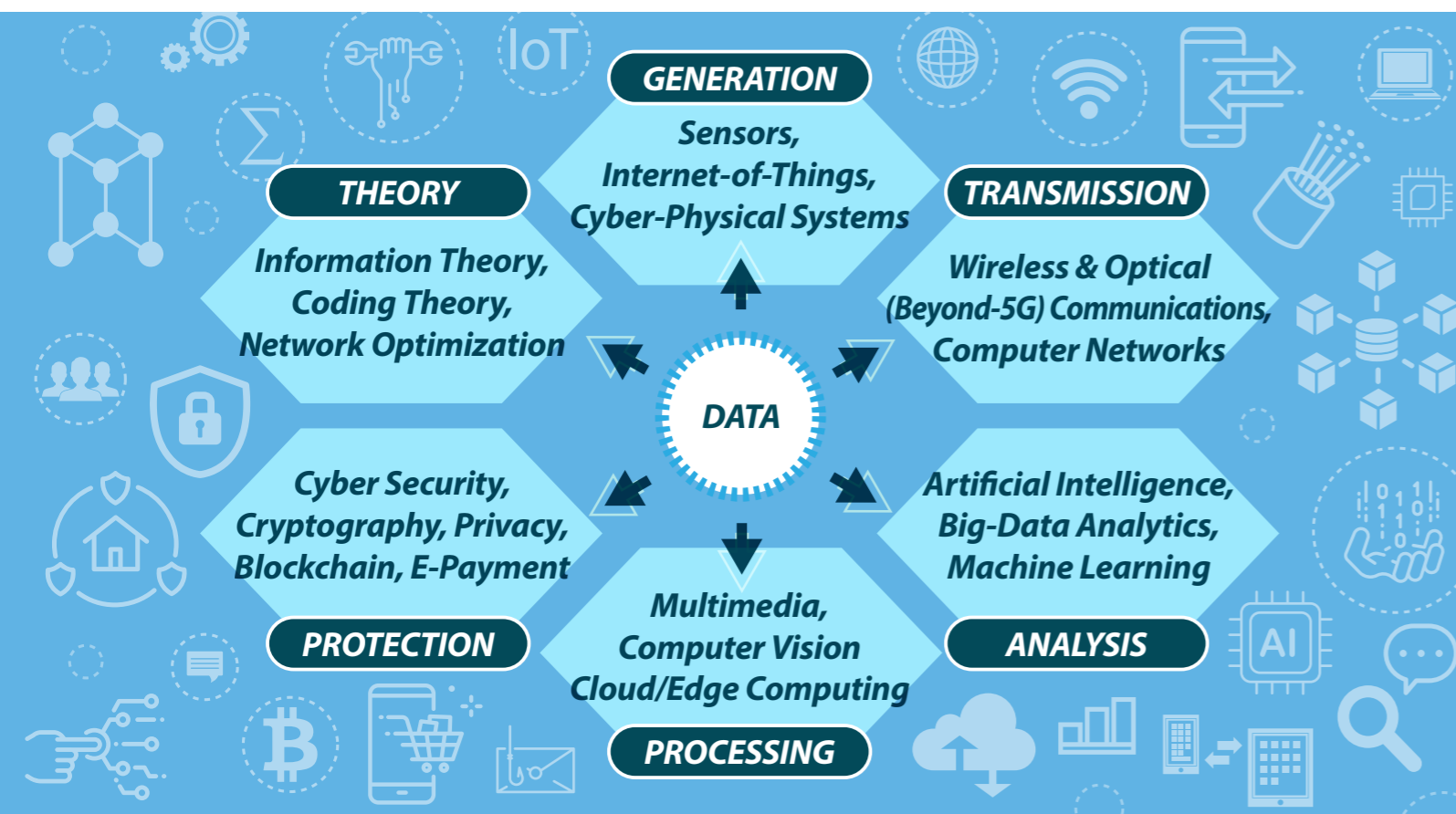
**IoT**



**5G/6G**



# “ To Nurture Engineering Leaders for Building a Connected and Secure Smart Society of the Future ”



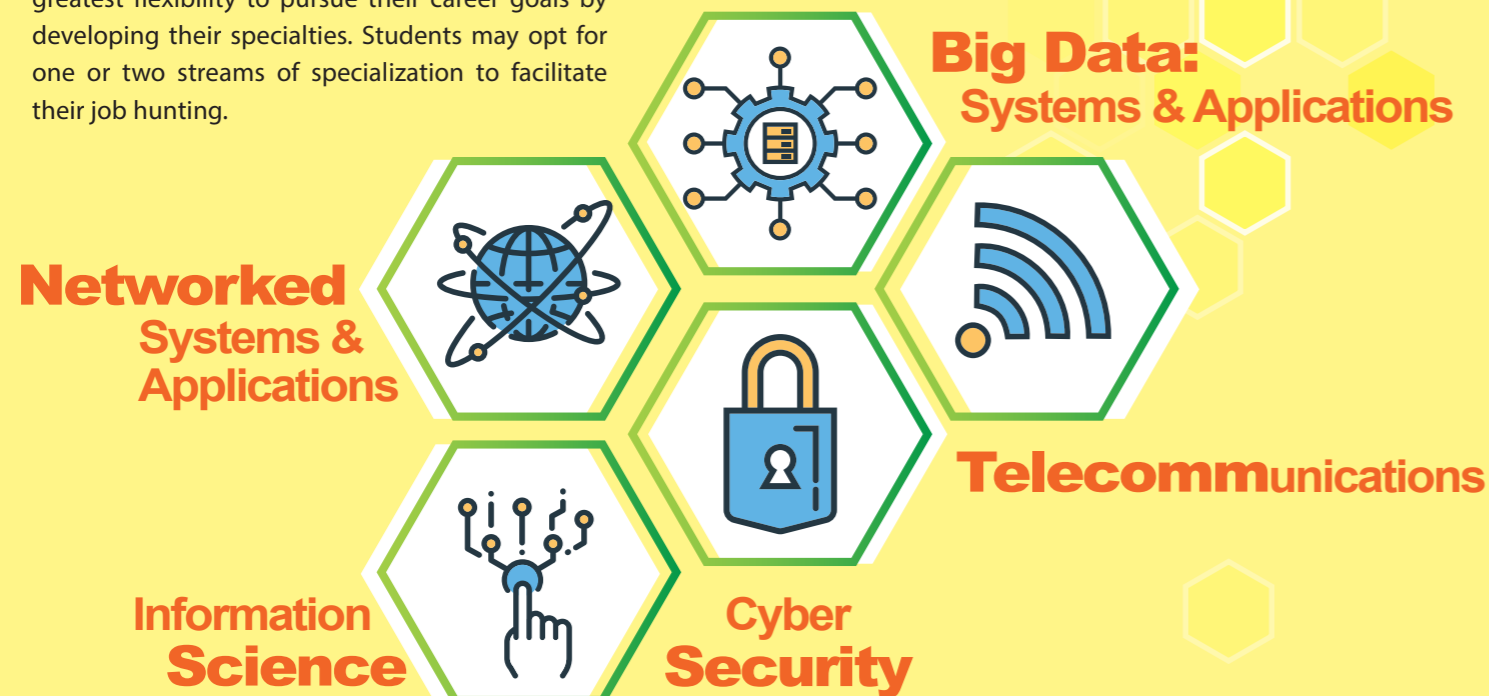
## Curriculum

<b>Year 1</b> Foundation	Problem Solving by Programming, Linear Algebra, Multivariable Calculus, Intro to Information Engineering, Intro to Systems Programming, Basic Analog and Digital Circuits, Electronic Circuit Design Lab	<b>Graduation Requirements</b> Major Requirement <b>75 units</b> + University Core Requirement <b>39 units</b> + Free Electives <b>9 units</b> = <b>123 units</b>
<b>Year 2</b> Intermediate	Discrete Mathematics, Complex Variables, Data Structures, Signals and Systems, Probability Models and Applications, Computer Networks, Principles of Communication Systems	
<b>Year 3</b> Advanced	Web Application or Mobile Network Application Development Python, Information and Software Engineering Practice, Microcontrollers and Embedded Systems, Information Infrastructure Design	
<b>Year 4</b> Specialized	Final Year Projects I & II and Major Electives	

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

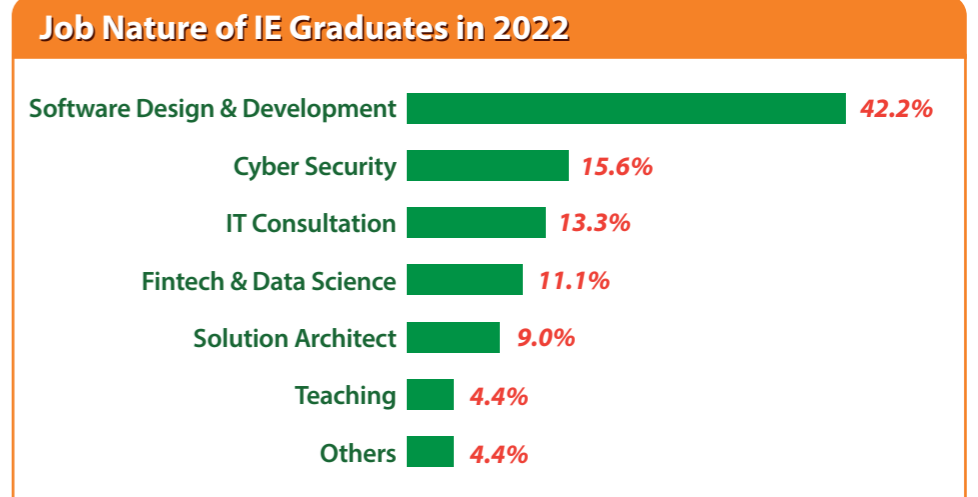
## Streams of Specialization

The IERG programme provides students the greatest flexibility to pursue their career goals by developing their specialties. Students may opt for one or two streams of specialization to facilitate their job hunting.



## Career Prospects

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



\* Percentages might not total 100% due to rounding. Statistics based on the survey conducted with IE graduates in May 2023.

## JUPAS

For HKDSE applicants, admission is based on the results of your Best 5 subjects with weighting indicated on the table:

Category	Subject Group	Min. Level	Weight
Core	English Language	3	x 1
	Chinese Language	3	x 1
	Mathematics (Compulsory Part)	4	x 2
	Citizenship and Social Development	A (Attained)	
Elective	Mathematics Extended Module I or II	3	x 1.75
	Biology / Chemistry / Physics / Design and Applied Technology / Information and Communication Technology	3	x 1.5
	All other Elective Subjects		x 1

## Non-JUPAS (Local)

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

## Non-JUPAS (Senior Year Entry)

Local applicants who possess Associate Degree/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.

## 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).



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

## Testimonials



**CHAN Sum-yuet**

2022 IERG graduate. Currently a Graduate Programmer at theOrigo

The IE programme provides opportunities for me to explore different technologies and full stack assessments, contributing to valuable experiences on my resume and greatly benefiting my career.



**HUI Sze-ho**

2022 IERG graduate. Currently an Assistant Solution Engineer at Huawei (Hong Kong)

The IE curriculum equipped me with solid foundations in software and hardware development and soft skills such as collaboration and a problem-solving mindset, which are indispensable in working as a leader.



**Department of Information Engineering**  
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