Singapore Institute of Technology (SIT) is Singapore’s university of applied learning. SIT upholds the vision of being a leader in innovative learning by integrating learning, industry and community.

Our mission is to nurture and develop individuals who build on their interests and talents to impact society in meaningful ways. The university also aims to cultivate in its students four distinctive traits, or the SIT-DNA, which will prepare them to be ‘Thinking Tinkerers’, ‘Able to Learn, Unlearn and Relearn’, ‘Catalysts for Transformation’ and ‘Grounded in the Community’.

The university’s applied degree programmes offer you a chance to experience a unique pedagogy that integrates work and study. SIT’s degree programmes feature a six- to 12-month Integrated Work Study Programme (IWSP) which exemplifies the best of university-industry collaboration.
WHY PURSUE INFOCOMM TECHNOLOGY AT SIT?

TOWARDS A SMART NATION
Singapore strives to become a Smart Nation to support better living, stronger communities, and create more opportunities for all.\(^1\) Being resource-scarce coupled with a declining active workforce, it is vital for Singapore to develop expertise in creating effective and innovative solutions to address challenges, and be at the forefront of the digital domain.

INDUSTRY-RELEVANT PROGRAMMES
SIT offers mission-critical and highly specialised ICT programmes, ranging from Software Engineering, Information Security, Telematics to Computing Science that will train students to be industry-ready and relevant for life.

CAREERS WITH GROWTH POTENTIAL
With the emergence of Internet of Things (IoT), autonomous vehicles, exponential growth in data analytics, and the need to secure everything digital, ICT presents many interesting opportunities and in-demand career pathways that will gear our nation up for the digital transformation in the global economy.

APPLIED LEARNING
As part of the university’s applied learning approach, students from SIT-conferred and joint degree programmes will partake in real work through the Integrated Work Study Programme (IWSP) for eight to 12 months, allowing them to apply principles learnt from school to actual work performed on the job.

CLOSE NEXUS WITH INDUSTRY
Through a curriculum co-developed with industry partners who will share their expertise and insights on the latest technological developments, students will be well-prepared to succeed in their areas of specialisation in ICT.

Reference:
\(^1\) Smart Nation Programme Office. About Smart Nation. Available from: http://www.smartnation.sg/about-smart-nation

ICT skill sets will offer you the best opportunities in the information era filled with new disruptive technologies.”

Associate Professor Forest Tan
Cluster Director
Infocomm Technology
Singapore Institute of Technology
HEAR WHAT OUR STUDENTS SAY

SIT’s applied learning approach has pushed me to find creative and practical ways to apply theoretical knowledge gained in the classroom to industry-centric projects. Some of the most memorable and engaging assignments have been the Capture The Flag (CTF) challenges designed by our professors to test our competence, ranging from network security to computer forensics. I also had the wonderful opportunity to participate in the SITxNIT hackathon in Akashi, Japan as part of the Global/Regional Exposure to Advances in Technology (GREAT) programme — an enriching technical and cultural experience.”

Cameron Leong
Information and Communications Technology (Information Security), BEng (Hons)
Singapore Institute of Technology

Scan the QR code to find out more.
HEAR WHAT OUR STUDENTS SAY

I am thankful for my professors and coursemates who are always willing to share their knowledge and provide guidance when I needed help in my assignments. I had the opportunity to work for a real client during my Integrative Team Project. My academic supervisor was always there to support and guide us throughout the journey – from gathering and understanding the client’s requirements to the final delivery of the application. It gave me exposure to the needs of industry, and boosted my self-confidence. I love the culture in SIT, where we are always willing to lend a helping hand to anyone who needs it!”

Lim Chu Xuan
Information and Communications Technology (Software Engineering), BEng (Hons)
Singapore Institute of Technology
An intelligent transportation system is a major component of any Smart Nation. The curriculum was devised with due consideration of the long-term systemic requirements of a smart nation and its transport industries. Graduates of the programme will not only acquire state-of-the-art knowledge of transportation technologies, but also a system engineering approach to design. This will ensure that graduates are equipped to integrate into the workforce and stay relevant in the fast-changing economy.”

**Mr Ang Kim Siah**
Senior Vice President/General Manager
Mobility and Telematics Business Unit
ST Electronics (Info-Comm Systems) Pte Ltd and
ST Electronics (Abu Dhabi)

SIT’s DNA is most suitable for the Information and Communications Technology (Information Security) degree programme. Information Security is a domain that paradoxically requires relevant hands-on experience in a highly specialised industry that is severely short-handed. Indeed, most companies will not trust their data to fresh graduates, and often require a minimum of two years’ experience for any information security hire. SIT’s vision of educating ‘thinking tinkerers’ sits well in imbuing SIT graduates with the right perspectives. Its unique year-long IWSP facilitates seamless transition of graduates into the industry, thus breaking the paradox and helping to staff the current acute need for information security professionals globally.”

**Mr Aloysius Cheang**
Chief Executive Officer
iSyncGroup Technology Co. Ltd

The SIT ICT course is very focussed to provide impactful benefits to industry. For example, having an Industry Advisory Committee (IAC) shows SIT’s commitment to industry inputs in their ICT degree programmes. The foundation modules are well structured to allow smoother transition into highly-specialised modules that meets industry needs in areas of Software Engineering and Information Security.”

**Mr Chang Yew Kong**
Chairman
Industry Advisory Committee for the SIT Information and Communications Technology Programmes
Member, Governing Board
Centre for Quantum Technologies
National University of Singapore
Hiring an SIT Telematics student for IWSP was timely for our company to meet the growing needs of the smart city industry in the region. The student added value to our team with his enthusiasm and willing-to-learn attitude that will take him far in his professional journey. The longer IWSP duration also allows students the opportunity to learn and understand the industry well by the end of the work attachment.”

Mr Tham Chen Munn
Business Development Director
PTV Group

“...The SIT curriculum is developed with a strong focus on equipping our future talent pool with a well-rounded engineering capability and expertise to become industry- and future-ready. In addition, our partnership with SIT will provide students an opportunity to gain the much needed hands-on experience and invaluable exposure in the exciting engineering work environment.”

Mr Lo Kien Foh
Managing Director
Continental Automotive Singapore Pte Ltd

It is great to see that SIT is running ICT programmes that prepare students to be industry-ready upon graduation. SIT students and graduates have easily integrated into our ICT engineering teams and provided their contributions.”

Mr Ulf Pettersson
Chief Technology Officer
Info-Software Systems, Electronics
ST Engineering
The first to be offered by a local autonomous university, the Information and Communications Technology (ICT) programme majoring in Information Security will impart essential skills and knowledge to help students become information security professionals upon graduation. The programme encompasses the entire information security process — from the securing of software, to the defence, monitoring and recovery of information systems, as well as the governance and management of information security in an organisation. Covering a wide range of application domains from embedded systems and smart mobile devices to cyberspace and cloud computing, students will be trained in practical skills in technology and engineering. This will enable them to develop innovative solutions to help organisations enhance the protection of their sensitive resources against information security threats.

As ICT is a dynamic field with rapid advancements, the degree programme not only aims to produce graduates who are relevant and current, but also independent and self-directed learners who are able to ‘learn, unlearn and relearn’ as they progress in their careers.

Visit SingaporeTech.edu.sg for the list of relevant qualifications.
# INFORMATION AND COMMUNICATIONS TECHNOLOGY
(INFORMATION SECURITY)

## CAPSTONE PROJECT

<table>
<thead>
<tr>
<th>SPECIALISED CORE KNOWLEDGE</th>
<th>Translational and Professional Skills</th>
<th>Integrated Work Study Programme (IWSP)</th>
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## TEAM INTEGRATED PROJECT

<table>
<thead>
<tr>
<th>CORE SKILLS DEVELOPMENT</th>
<th>ICT FOUNDATION</th>
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</table>

## CURRICULUM STRUCTURE

### TRIMESTER 1

**ICT Foundations**
- Introduction to ICT
- Programming Fundamentals
- Computer Organisation and Architecture
- Web Systems and Technologies
- Mathematics and Statistics for ICT

### TRIMESTER 2

**ICT Foundations**
- ICT in Organisations
- Operating Systems
- Data Structures and Algorithms
- Object-Oriented Programming
- Computer Networks

### TRIMESTER 3

- Break
<table>
<thead>
<tr>
<th>TRIMESTER 1</th>
<th>Specialisation Modules</th>
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<tbody>
<tr>
<td></td>
<td>Introduction to Software Engineering</td>
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<tr>
<td></td>
<td>Digital Forensics</td>
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<td></td>
<td>Network Security</td>
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<td>Ethical Hacking</td>
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<td></td>
<td>Career and Professional Development I</td>
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<thead>
<tr>
<th>TRIMESTER 2</th>
<th>Specialisation Modules</th>
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<tbody>
<tr>
<td></td>
<td>Applied Cryptography</td>
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<tr>
<td></td>
<td>Web Security</td>
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<td>Mobile Security</td>
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<td></td>
<td>Security Governance, Risk Management and Compliance</td>
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<td></td>
<td>Career and Professional Development II</td>
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<thead>
<tr>
<th>TRIMESTER 3</th>
<th>Special Trimester</th>
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<tr>
<td></td>
<td>Global/Regional Exposure to Advances in Technology (GREAT)</td>
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<tr>
<td></td>
<td>Industry Certification Module</td>
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<td></td>
<td>Integrative Team Project</td>
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<td></td>
<td>Break</td>
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<table>
<thead>
<tr>
<th>TRIMESTER 1</th>
<th>Specialisation Modules</th>
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<tr>
<td></td>
<td>Operations Security and Incident Management</td>
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<tr>
<td></td>
<td>Malware Analysis and Defence</td>
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<td>Secure Software Development</td>
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<td></td>
<td>Security Analytics</td>
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<td>Self-Learning Module</td>
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</table>

| TRIMESTER 2 | Break (Optional) |

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<tr>
<th>TRIMESTER 3</th>
<th>Integrated Work Study Programme (IWSP)</th>
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<tbody>
<tr>
<td></td>
<td>Design Thinking (Flipped Classes)</td>
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<tr>
<td></td>
<td>Capstone Project</td>
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<tr>
<td></td>
<td>Work</td>
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</tbody>
</table>
Contents are subject to review and updates.

As ICT is a very dynamic field, the curriculum may be updated based on feedback from the industry.

To ensure the rigour of the programme, the curriculum has taken reference from internationally-recognised curriculum guidelines as follows:

1. “Curriculum guidelines for Undergraduate Degree Programs in Information Technology”, Association for Computing Machinery (ACM), IEEE Computer Society, Nov 2008
The Global/Regional Exposure to Advances in Technology (GREAT) programme aims to expose students to the advancements in information security through a series of activities, including an optional overseas study trip to various international information security companies and institutions. This will enable students to broaden their horizons and gain valuable global/regional insights to help counter cyber threats and stay abreast of global trends.

CAREER OPPORTUNITIES

- Information Security Analyst/Professional
- Cyber Security Specialist
- Information Security Consultant
- Pen-tester
The Information and Communications Technology (ICT) programme majoring in Software Engineering is a highly-specialised programme with in-depth coverage on the development of software, design, operation, analysis, optimisation, security, maintenance and management of software in a holistic and systematic manner.

With the aim to produce best-in-class software engineers who can contribute seamlessly and effectively to the ICT sector upon graduation, highly-qualified academics as well as global and local ICT industry leaders will provide students with an industry-focussed and practice-oriented education. During their studies, students will be given ample opportunities to develop software across a range of devices and systems.

Students will build upon the practical software development skills and learn essential software engineering knowledge, which allows them to develop software systems of any scale attuned to the environments in which they operate. Key subjects which are in high demand such as secured software development, mobile computing, cloud-solution architecting and big data analytics will be covered. Translational and professional development have also been incorporated into the curriculum to support students’ career advancement in the software engineering field.
## INFORMATION AND COMMUNICATIONS TECHNOLOGY
### (SOFTWARE ENGINEERING)

<table>
<thead>
<tr>
<th>YEAR</th>
<th>TRIMESTER 1</th>
<th>TRIMESTER 2</th>
<th>TRIMESTER 3</th>
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<tr>
<td><strong>YEARS</strong></td>
<td><strong>ICT Foundations</strong></td>
<td><strong>ICT Foundations</strong></td>
<td><strong>Break</strong></td>
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<td><strong>TRIMESTER 2</strong></td>
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<td><strong>Specialisation Modules</strong></td>
<td></td>
</tr>
<tr>
<td><strong>TRIMESTER 3</strong></td>
<td></td>
<td>▶ Introduction to Software Engineering ▶ Human Computer Interaction ▶ Information Management ▶ Embedded Systems Programming ▶ Career and Professional Development I</td>
<td></td>
</tr>
<tr>
<td><strong>TRIMESTER 1</strong></td>
<td><strong>Specialisation Modules</strong></td>
<td><strong>Specialisation Modules</strong></td>
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<tr>
<td><strong>TRIMESTER 2</strong></td>
<td>▶ Mobile Application Development ▶ Software Design ▶ Distributed Systems Programming ▶ Software Modelling and Analysis ▶ Career and Professional Development II</td>
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<td><strong>TRIMESTER 3</strong></td>
<td><strong>Special Trimester</strong></td>
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</tr>
<tr>
<td><strong>YEAR 2</strong></td>
<td>▶ Global/Regional Exposure to Advances in Technology (GREAT) ▶ Industry Certification Module ▶ Integrative Team Project ▶ Break</td>
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<table>
<thead>
<tr>
<th>YEAR</th>
<th>TRIMESTER</th>
<th>Modules</th>
</tr>
</thead>
</table>
| 3    | 1         | Specialisation Modules  
Software Verification and Validation  
Performance Testing and Optimisation  
Secure Software Development  
Software Management  
Self-Learning Module |
|      | 2         | Break (Optional) |
|      | 3         | Integrated Work Study Programme (IWSP)  
Design Thinking (Flipped Classes)  
Capstone Project  
Work |
| 4    | 1         | Integrated Work Study Programme (IWSP)  
Productivity Management (Flipped Classes)  
Capstone Project  
Work |
|      | 2         | Integrated Work Study Programme (IWSP)  
Change Management (Flipped Classes)  
Capstone Project  
Work |
The Global/Regional Exposure to Advances in Technology (GREAT) programme aims to expose students to the advancements in software engineering through a series of activities, including an optional overseas study trip to various international software companies and institutions. This will enable students to broaden their horizons and gain valuable global/regional insights into software engineering practices in the industry.

Software Engineer

Software Systems Architect

Information Technology Project Manager

Mobile, Web and Cloud Developer
The members of the Industry Advisory Committee for the Information and Communications Technology (Information Security) and (Software Engineering) programmes are:

**Mr CHANG Yew Kong (Chairperson)**  
Member, Governing Board  
Centre for Quantum Technologies  
National University of Singapore

**Mr Aloysius CHEANG**  
Chief Executive Officer  
iSyncGroup Technology Co. Ltd

**Mr Kiren KUMAR**  
Assistant Managing Director  
(Infocomms and Media)  
Singapore Economic Development Board

**Mr Howie LAU**  
Chief Industry Development Officer  
Infocomm Media Development Authority

**Mr LEONG See Sum**  
Director (Infocomm Infrastructure)  
Defence Science and Technology Agency

**Mr Stephen LIM**  
Chief Executive Officer  
SQL View Pte Ltd

**Mr Peter MOORE**  
Managing Director  
(APAC Global Public Sector)  
Amazon Web Services

**Mr Ulf PETTERSSON**  
Chief Technology Officer  
Info-Software Systems, Electronics  
ST Engineering

**Mr Selwyn Sean SCHARNHORST**  
Director (Ecosystem Development)  
Cyber Security Agency of Singapore

**Dr TAN Geok Leng**  
Chief Executive Officer  
AIDA Technologies Pte Ltd
The Telematics (Intelligent Transportation Systems Engineering) programme is the first-of-its-kind in Singapore, comprising two interdisciplinary fields – Vehicular Telematics and Intelligent Transportation Systems (ITS) Engineering.

With an emphasis on the enhancement of our public transport systems, ITS will be the mainstay for managing and optimising the limited road space in Singapore. The transport landscape is going through dramatic changes driven by technological innovations in the form of electrification, connectivity and autonomy, and rapid growth in car-sharing and ride-sharing demand. The mobility system of the future will be radically different from what exists today. Next-generation vehicles are electric and autonomous and have increased connectivity to other vehicles, infrastructure and internet. The future will also see a shift in uptake in shared mobility.

Developed with support from LTA, ST Electronics, NCS and Continental Automotive, students in this programme will be exposed to the latest transportation technologies, applications and solutions. They will also be equipped with electrical engineering and computer science core skills in ITS engineering, vehicular communication and telematics technologies in order to work in this technically challenging field.

PROGRAMME HIGHLIGHTS

Industrial Immersion Programme (IIP) — Visits to Telematics, Automotive Engineering or ITS Companies in Singapore and Overseas

Participation in Trend Antenna Programme by Continental Automotive Singapore Pte Ltd
| YEAR 1 | TRIMESTER 1 | Engineering Mathematics I  
|        |            | Newtonian Mechanics and Waves  
|        |            | Electronic Circuits  
|        |            | Introduction to Programming  
|        |            | Technical Communication I  
|        | TRIMESTER 2 | Engineering Mathematics II  
|        |            | Electricity and Magnetism  
|        |            | Digital Systems  
|        |            | Object Oriented Programming  
|        |            | Linear Signals and Systems  
|        | TRIMESTER 3 | Break  

| YEAR 2 | TRIMESTER 1 | Sensors and Control  
|        |            | Embedded System Design  
|        |            | Instrumentation and Displays  
|        |            | Database and Information Systems  
|        |            | Career Professional Development  
|        | TRIMESTER 2 | Wireless Communications  
|        |            | RF Engineering and Electromagnetic Compatibility  
|        |            | Operating Systems and Automotive OS  
|        |            | Internet Programming  
|        |            | Technical Communication II  
|        | TRIMESTER 3 | Integrated Work Study Programme (IWSP)  

TELEMATICS
(INTELLIGENT TRANSPORTATION SYSTEMS ENGINEERING)
## TELEMATICS
### (INTELLIGENT TRANSPORTATION SYSTEMS ENGINEERING)

<table>
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<tbody>
<tr>
<td>TRIMESTER 1</td>
<td>Integrated Work Study Programme (IWSP)</td>
</tr>
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</table>
| TRIMESTER 2 | Design Project  
Traffic Regulations, Safety and Standards  
Traffic Signal and Toll Systems  
Systems and Software Engineering  
Digital Signal Processing  
Business and Project Management |
| TRIMESTER 3 | Design Project  
Transport Management  
Infotainment Technologies  
Automotive Electronics  
Car Interconnects and Vehicular Networks  
Professional Ethics and Engineers in Society |

### CAREER OPPORTUNITIES

- Engineer (Design/Application/Network/Telematics/Technology Integration)
- Software Engineer
- Engineer (Intelligent Transportation Systems)
- Project Manager/Officer/Engineer
The members of the Industry Advisory Committee for this programme are:

**Mr ANG Kim Siah**  
Senior Vice President/General Manager  
Mobility and Telematics Business Unit  
ST Electronics (Info-Comm Systems) Pte Ltd and  
ST Electronics (Abu Dhabi)

**Dr CHIN Kian Keong**  
Chief Engineer  
Land Transport Authority

**Mr LO Kien Foh**  
Managing Director  
Continental Automotive Singapore Pte Ltd

**Mr SING Mong Kee**  
Director  
Keespires Consultancy
The Computing Science programme is jointly offered by SIT and University of Glasgow (UofG). Designed to support the government’s initiative to transform Singapore into a Smart Nation, this is the first computing programme offered by an autonomous university in Singapore that specialises in Internet of Things (IoT).

The three-year programme encompasses a broad-based computer science curriculum which combines essential knowledge from IoT, software engineering, data analytics, cyber security and machine learning. Students will learn about fundamental principles in computing science including boolean logic, discrete mathematics, programming, software engineering, databases, operating systems and computer networks. With the foundation in computing science topics, students will be exposed to specialised modules in IoT, including topics on sensors, IoT network protocols, cloud and distributed computing, data analytics, cyber security fundamentals and machine learning. Students will learn to work independently, as well as in groups to gather requirements, design software architectures for IoT applications, and implement and test software modules to meet software engineering project objectives.

Graduates from this programme will be equipped with a strong computing science foundation, be practice-oriented, industry-ready and team players. They will be able to apply their software and hardware training to develop innovative IoT solutions in different IT related roles.
## CURRICULUM STRUCTURE

### YEAR 1

<table>
<thead>
<tr>
<th>TRIMESTER 1</th>
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<tbody>
<tr>
<td>Introduction to Computing</td>
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<td>Mathematics I</td>
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<td>Programming Methodology</td>
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<td>Computer Organisation and Architecture</td>
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<td>Business Information Technology</td>
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<td>Mathematics II</td>
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### YEAR 2

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<td>Team Project</td>
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<td>Embedded Systems and Sensor Programming</td>
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<td>Database Systems</td>
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<td>Human Computer Interaction</td>
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<td>Effective Communication</td>
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<td>Professional Software Development</td>
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<td>Team Project</td>
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<td>IoT: Protocols and Networks</td>
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<td>Mobile App Development</td>
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<td>Cyber Security Fundamentals</td>
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<td>Career and Professional Development</td>
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<td>Cloud and Distributed Computing</td>
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<td>Data Analytics</td>
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<td>Integrated Work Study Programme (IWSP)</td>
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<td>TRIMESTER 2</td>
<td>Information Visualisation</td>
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<td>IoT in Smart Nations</td>
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<td>Capstone Project</td>
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<td>TRIMESTER 3</td>
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</tbody>
</table>
CAREER OPPORTUNITIES

- Software Engineer/Programmer/Developer/Consultant
- Cyber Security Analyst/Engineer
- IT Project Manager/Officer/Engineer
- System Engineer/Administrator/Analyst
- Mobile Application Developer
- IoT Engineer/IoT Solution Architect
- System Engineer/Administrator/Analyst
- IT Project Manager/Officer/Engineer
- Mobile Application Developer
- IoT Engineer/IoT Solution Architect
# ADMISSION REQUIREMENTS

SIT adopts an aptitude-based approach in assessing applicants for admission by considering the following criteria:

<table>
<thead>
<tr>
<th>MEETING THE MINIMUM ACADEMIC REQUIREMENTS*</th>
<th>Full-time Diploma from any local polytechnic</th>
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<tbody>
<tr>
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<td>GCE A Level</td>
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<td>NUS High School Diploma</td>
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<td>Diploma from other institutions</td>
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<td></td>
<td>Other International Qualifications</td>
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**INTERVIEW PERFORMANCE**

All shortlisted applicants will be assessed through interviews. For specific degree programmes, applicants may have to submit portfolios or essays, and/or be assessed through written tests or technical tests.

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* To help us understand the academic pathway you have taken, please fill in the details of both your entry qualification (i.e. Polytechnic Diploma/A Level/IB or equivalent Year 12 results) and your GCE O Level or equivalent Year 10 results/ITE (Nitec and Higher Nitec) when you apply for admission to SIT. SIT accepts applicants who did not sit for their GCE O Level examination and have come through other forms of secondary or post-secondary education such as the Polytechnic Foundation Programme (PFP).
ADMISSION REQUIREMENTS

<table>
<thead>
<tr>
<th>FULL-TIME DIPLOMA FROM ANY LOCAL POLYTECHNIC</th>
<th>QUALIFICATIONS</th>
<th>Telematics (Intelligent Transportation Systems Engineering), BEng (Hons)</th>
<th>Computing Science, BSc (Hons) (SIT-UofG Joint Degree)</th>
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</thead>
<tbody>
<tr>
<td>Completed a full-time local polytechnic Diploma.</td>
<td>Information and Communications Technology (Information Security), BEng (Hons)</td>
<td>Applicants with relevant engineering background, diplomas (i.e Diploma in Electrical and Electronics Engineering, Computer Engineering and Information Technology) may apply for modules exemption of up to a maximum of two trimesters.</td>
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<tr>
<td>Applicants with relevant diplomas may apply for module exemptions of up to 10 modules. Exemptions may also be considered for relevant professional or industrial certifications.</td>
<td>Information and Communications Technology (Software Engineering), BEng (Hons)</td>
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<tr>
<td>Applicants with relevant engineering background, diplomas (i.e Diploma in Electrical and Electronics Engineering, Computer Engineering and Information Technology) may apply for modules exemption of up to a maximum of two trimesters.</td>
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<td>Obtained passes in at least two H2 Level subjects and offered General Paper (GP) or Knowledge &amp; Inquiry (KI) in the same sitting while satisfying the Mother Tongue (MTL) requirements.</td>
<td>GCE A LEVEL</td>
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<td>Obtained a minimum grade five for at least two HL and one SL subjects and the IB Diploma while satisfying the Mother Tongue (MTL) requirements.</td>
<td>INTERNATIONAL BACCALAUREATE DIPLOMA (IB)</td>
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<td>Obtained the NUS High School Diploma while satisfying the Mother Tongue (MTL) requirements.</td>
<td>NUS HIGH SCHOOL DIPLOMA</td>
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<td>BCA diploma holders in Construction Information Technology may apply.</td>
<td>DIPLOMA FROM OTHER INSTITUTIONS</td>
<td>BCA diploma holders in the following may apply: Construction Engineering</td>
<td>BCA diploma holders in Construction Information Technology may apply.</td>
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<td>Mechanical Engineering (Green Building Technology)</td>
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<tr>
<td>Completed at least 12 years of formal education deemed as acceptable, equivalent qualifications to be considered for admission.</td>
<td>OTHER INTERNATIONAL QUALIFICATIONS</td>
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</tbody>
</table>

For up-to-date information, please refer to SingaporeTech.edu.sg
OTHER PROGRAMMES OFFERED UNDER INFOCOMM TECHNOLOGY

COMPUTER SCIENCE AND GAME DESIGN

DEGREE PROGRAMME
BS

CAMPUS LOCATION
SIT@SP Building

ELIGIBILITY¹
- Polytechnic Diploma Holders
- A Level/IB Diploma/NUS High School Diploma Holders

The Computer Science and Game Design programme combines game design theory and practice with coursework in computer science, mathematics and physics. In this programme, students learn to leverage on the technical tools and processes used by professional designers, including scripting languages, level and map editors and databases, while designing, prototyping and iterating their projects in a collaborative, deadline-driven environment. The result is a proficient computer scientist and designer who has mastered the intersection of technology and design.

COMPUTER SCIENCE IN REAL-TIME INTERACTIVE SIMULATION

DEGREE PROGRAMME
BS

CAMPUS LOCATION
SIT@SP Building

ELIGIBILITY¹
- Polytechnic Diploma Holders
- A Level/IB Diploma/NUS High School Diploma Holders

The Real-Time Interactive Simulation programme is a computer science degree focussing on developing, implementing, and programming complex interactive simulations and computer graphics in real-time. This programme uses game development as a tool for teaching advanced computer science concepts. Students begin with a solid foundation in mathematics, physics and programming before they apply that knowledge in yearly team-based projects where they design, programme test, and finally release their own original game software to the public. Those who successfully complete the programme will have the knowledge and skills to produce highly complex software systems at a professional level.

¹ Visit SingaporeTech.edu.sg for the list of relevant qualifications.
OTHER PROGRAMMES OFFERED UNDER INFOCOMM TECHNOLOGY

DIGITAL ART AND ANIMATION

DEGREE PROGRAMME
➢ BFA

CAMPUS LOCATION
➢ SIT@SP Building

ELIGIBILITY¹
➢ Polytechnic Diploma Holders
➢ A Level/IB Diploma/NUS High School Diploma Holders

The Digital Art and Animation programme offers comprehensive education in the techniques, processes and tools that professional artists use to create art assets for games, animated films and other digital media. Rather than simply teaching students how to use current software, this programme focuses on developing foundational skills that remain valuable and useful regardless of the technology or medium. Graduates of this programme have the ability to produce powerful and affecting imagery in a professional studio environment.

GAME DESIGN

DEGREE PROGRAMME
➢ BA

CAMPUS LOCATION
➢ SIT@SP Building

ELIGIBILITY¹
➢ Polytechnic Diploma Holders
➢ A Level/IB Diploma/NUS High School Diploma Holders

The Game Design programme combines the theory and practice of game design and user experience with coursework in the humanities, social sciences, art and the fundamentals of mathematics and computer science. Students learn about the artistic and narrative principles that make interactive experiences both intuitive and compelling, as well as the tools and processes that professional designers use to implement, test, and refine their ideas in a real world production environment. The result is a skilled designer who has a deeper knowledge of how writing, art and the social sciences all come into play when creating games, interfaces and other interactive experiences.

¹ Visit SingaporeTech.edu.sg for the list of relevant qualifications.
LOCATE US

SIT@DOVER
10 Dover Drive, Singapore 138683

SIT@NP BUILDING
Ngee Ann Polytechnic
537 Clementi Road, Singapore 599493

SIT@NYP BUILDING
Nanyang Polytechnic
172A Ang Mo Kio Ave 8, Singapore 567739
(beside Blk Q of NYP campus)

SIT@RP BUILDING
Republic Polytechnic
43 Woodlands Ave 9, Singapore 737729

SIT@SP BUILDING
Singapore Polytechnic
510 Dover Road, Singapore 139660

SIT@TP BUILDING
Temasek Polytechnic
Blk 29B Tampines Ave 1, Singapore 528694

OPERATING HOURS
Mondays to Fridays: 11:00 am to 3:00 pm
Closed on Saturdays, Sundays and Public Holidays

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