



SCHOOL OF Infocomm

Fuel your passion for Information Technology at RP School of Infocomm (SOI).

Step into the fast-moving world of digital innovation, where creativity meets code and ideas become intelligent solutions. Whether you're excited by AI, cybersecurity, software development or emerging tech, SOI empowers you to uncover your technical strengths and solve real-world challenges. With six cutting-edge programmes to choose from, you'll be equipped to seize #GreaterPossibilities in the ever-expanding digital frontier.

Common ICT Programme

Diploma in Applied AI & Analytics

Diploma in Cybersecurity & Digital Forensics

Diploma in Enterprise Cloud Computing & Management

Diploma in Financial Technology

Diploma in Information Technology

Common ICT Programme

Ready to level up your tech game? Explore Information and Communications Technology (ICT) and discover your dream career.

Code your destiny with the Common ICT Programme. Gain a solid foundation and turn your tech passions into a rewarding journey. Join us to unlock your potential and make a splash in the exciting world of ICT!

- Build a solid IT foundation with hands-on projects in your first year, equipping you with essential ICT skills for any technology career path
- Explore IT domains through career guidance, industry talks, and learning journeys, discovering how technology shapes industries and uncovering exciting career pathways
- Shape your future by identifying strengths and choosing in-demand IT domains like AI, Cloud Computing, Cybersecurity, FinTech, and Software Development



Scan to learn more

WHAT YOU WILL LEARN

General Modules

- Critical Thinking and Problem Solving Skills
- Designing Your Impact
- Designing Your Life (Future-Ready I)
- Designing Your Life (Personal Growth I)
- Effective Workplace Communication
- Innovation and Practice
- Singapore, the World and I

Discipline Modules

- Database Systems
- Introduction to Business Process and Automation
- IT Security and Management

- Mathematics for Computing
- Operating Systems and Networking
- Programming Fundamentals I
- Programming Fundamentals II
- Software Development Process

You will opt for one of the following **diplomas at the end of year 1 semester 2:**

- Applied AI & Analytics (R13)
- Cybersecurity & Digital Forensics (R55)
- Enterprise Cloud Computing & Management (R12)
- Financial Technology (R18)
- Information Technology (R47)

“This course not only instilled in me a deep appreciation for the diverse facets of IT but also equipped me with the fundamental skills and knowledge to make a meaningful impact and pursue my #GreaterPurpose in an ever-changing landscape.”



**CELESTE NG
QIAN QIAN**
2025 Graduate



DIPLOMA IN

Applied AI & Analytics

Transform the digital landscape with innovative solutions and insights using AI and Analytics.

Unleash the power of data. This course bridges raw information and transformative solutions. You will gain expertise in extracting meaning from chaos and building AI systems that revolutionise how organisations operate.

- Develop AI solutions with speed. Master Generative AI and practical deployment to build smarter, more efficient applications. Graduate ready to innovate and deliver impact
- Gain a competitive edge with industry-shaped curriculum and partnerships, accessing tools, networks, and challenges from NVIDIA, Google, AWS, and IBM to future-proof your skills
- Boost your career with industry-recognised AI certifications from NVIDIA, KNIME, and Workato, giving you a valuable head start in the AI industry



WHAT YOU WILL LEARN

General Modules

- Critical Thinking and Problem Solving Skills
- Designing Your Impact
- Designing Your Life (Future-Ready I)
- Designing Your Life (Future-Ready II)
- Designing Your Life (Personal Growth I)
- Designing Your Life (Personal Growth II)
- Effective Workplace Communication
- Innovation and Practice
- Singapore, the World and I

Discipline Modules

- AI Essentials and Innovations
- AI Solution Design and Implementation
- Applied Large Language Models
- Database Systems
- Data Analytics with Gen AI
- Data Wrangling and Automation
- Deep Learning for Visual Intelligence
- Introduction to Business Process and Automation
- IT Security and Management
- Machine Learning for Predictive Analytics
- Mathematics for Computing
- Operating Systems and Networking
- Programming Fundamentals I
- Programming Fundamentals II
- Rapid App Development
- Software Application Development
- Software Development Process
- Software Testing and Analytics

Elective Modules

Customise your learning pathways by selecting **ONE** of the following options:

Option A: Select Elective modules totalling 16 Modular Credits (MCs) from the list of electives below and/or the modules in applicable Minor Programmes

Option B: Select an applicable Minor Programme and an elective module of 4 MCs from the list of electives below or from the modules in applicable Minor Programmes

Option C: Select a CET-based Certificate programme and Elective module(s) from the list of electives below and/or in applicable Minor Programmes (only for eligible students)

List of Electives:

- Business Statistics
- Cloud Application Development
- Cloud Computing Essentials
- Design Thinking for Business Innovation
- DevOps Essentials
- Digital Marketing and eCommerce
- Entrepreneurship
- IT Project Management
- Marketing
- Payment Technologies
- RPA for Business
- UI/UX Design for Apps

Industry Orientation Programme Modules

Option 1: One-Semester Industry Immersion Programme

- Project

And select one module from the list below:

- Corporate Innovation Immersion Programme
- Entrepreneurial Immersion Programme
- Industry Immersion Programme

Option 2: Two-Semester Industry Immersion Programme

- Industry Immersion Programme
- Industry Immersion Programme II

CAREER OPPORTUNITIES

You will be well-prepared to take on roles such as:

- AI/ML Engineer
- Associate Business Analyst
- Associate Data Engineer
- Associate Software Engineer
- Data Analyst

“RP gave me more than I expected. Through its Problem-based Learning and classroom discussions, I grew both academically and personally. The lecturers weren't just teachers, they were mentors who patiently guided me through projects and competitions, helping me unlock new goals and confidence along the way.”

RP provided the right resources and environment to thrive. With a focused mindset, I was able to make the most of every opportunity from internships and competitions to further studies and future career planning. It was through this journey that I found my #GreaterPurpose and became a more resilient, confident version of myself.”



SWAN HTET YE YINT
2025 Graduate

DIPLOMA IN

Cybersecurity & Digital Forensics

Take the lead in the battle against digital threats by positioning yourself at the forefront of Cybersecurity.

Master the art of cyber defence and respond to cybersecurity threats. You will also navigate the complexities of cybersecurity governance and implement practices of governance to help organisations stay ahead of regulatory demands and protect sensitive information. Learn to integrate security into the software development process, ensuring robust and resilient applications.

- Master comprehensive cyber defence skills—secure IT and OT systems, analyse malware, conduct penetration tests, and lead incident responses to become a digital protector
- Boost your employability by earning certifications like CEH, PCNSA and AISP QISP, enhancing your credentials and standing out in cybersecurity
- Fast-track your cyber defence career by enlisting early with SAF and interning through the DIS-RP Cyber Work-Learn Scheme, gaining crucial cybersecurity experience defending Singapore



WHAT YOU WILL LEARN

General Modules

- Critical Thinking and Problem Solving Skills
- Designing Your Impact
- Designing Your Life (Future-Ready I)
- Designing Your Life (Future-Ready II)
- Designing Your Life (Personal Growth I)
- Designing Your Life (Personal Growth II)
- Effective Workplace Communication
- Innovation and Practice
- Singapore, the World and I

Discipline Modules

- Application Security
- Cloud Computing Essentials
- Computer System Security
- Database Systems
- Digital Forensics and Malware Analysis
- Ethical Hacking
- Governance, Risk & Compliance and Data Protection
- Introduction to Business Process and Automation
- IT Security and Management
- Mathematics for Computing
- Network Security
- Operating Systems and Networking

- Programming Fundamentals I
- Programming Fundamentals II
- Security Design and Architecture
- Software Application Development
- Software Development Process
- Threat Hunting and Incident Response

Elective Modules

Customise your learning pathways by selecting Elective Module(s) totalling 4 Modular Credits (MCs) from List #1

List #1

- Cloud Security
- Operational Technology Cybersecurity

AND select ONE of the following options:

Option A: Select the Elective modules totalling 12 Modular Credits (MCs) from List #2 below and/or in applicable Minor Programmes

Option B: Select a Minor Programme

Option C: Select a CET-based Certificate programme and/or Elective module(s) from List #2 below and/or modules in applicable Minor Programmes (only for eligible students)

List #2

- AI Essentials and Innovation
- Cloud Application Development
- Cloud Architecting & Administration
- DevOps Essentials
- Emerging Technologies
- IT Project Management
- Mobile App Development

Industry Orientation Programme Modules

Option 1: One-Semester Industry Immersion Programme

- Project

And select one module from the list below:

- Corporate Innovation Immersion Programme
- Entrepreneurial Immersion Programme
- Industry Immersion Programme

Option 2: Two-Semester Industry Immersion Programme

- Industry Immersion Programme
- Industry Immersion Programme II

CAREER OPPORTUNITIES

You will be well-prepared to take on roles such as:

- Cloud Security Officer
- Computer Forensic Examiner
- IT Audit Officer
- IT Security Engineer
- Network Security Administrator
- Penetration Tester



RP empowered me to use my tech skills for good. Through service-learning projects, I mentored youths in the RP-CSA Youth Cyber Exploration Programme and led workshops to promote digital literacy in the community. These experiences showed me that technology isn't just about innovation, it is about impact. RP's focus on purposeful learning inspired me to grow into my #GreaterMe, someone who leads with heart and contributes meaningfully to a more digitally inclusive society."



IVAN LEONG
2025 Graduate

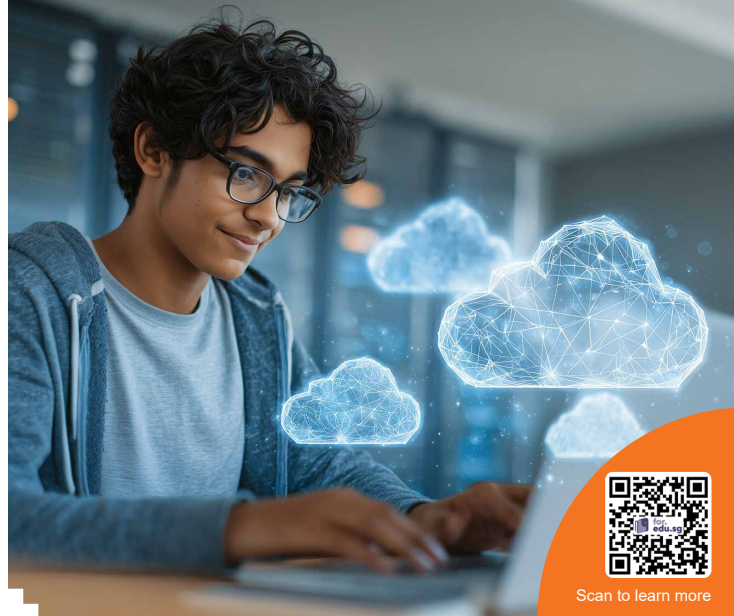
DIPLOMA IN

Enterprise Cloud Computing & Management

Master Cloud Architecture and IT infrastructure to support cutting-edge technologies like AI.

Transform your future with a Diploma in Enterprise Cloud Computing & Management. Gain essential skills in cloud computing, IT systems and AI to drive innovation and become a leader in the tech industry

- Graduate with a diploma and specialist diploma in just 3.5 years, equipping you with a formidable competitive edge. Master cloud computing, cloud architecture and cloud security, multiplying your skills and career options, with industry exposure to major cloud providers like AWS and Oracle
- Future-proof your skills. Widen your expertise and adapt to evolving tech landscapes with the flexibility to pursue a minor in high-demand areas like Cybersecurity. Choose from a rich basket of 14 minors, tailoring your learning to future-proof your career in IT infrastructure and cloud management
- Boost your portfolio with certifications from AWS, Cisco, Red Hat, and ServiceNow, positioning yourself to shine and excel in your career



Scan to learn more

WHAT YOU WILL LEARN

General Modules

- Critical Thinking and Problem Solving Skills
- Designing Your Impact
- Designing Your Life (Future-Ready I)
- Designing Your Life (Future-Ready II)
- Designing Your Life (Personal Growth I)
- Designing Your Life (Personal Growth II)
- Effective Workplace Communication
- Innovation and Practice
- Singapore, the World and I

Discipline Modules

- Cloud Architecting and Administration
- Cloud Computing Essentials
- Cloud Data Centre Management
- Database Systems
- DevOps Essentials
- Intelligent Networks
- Internetworking
- Introduction to Business Process and Automation
- IT Security and Management
- IT Service and AI Operations
- Linux Administration and Containerisation
- Mathematics for Computing

- Operating Systems and Networking
- Programming Fundamentals I
- Programming Fundamentals II
- Software Development Process
- Software Application Development
- Software Testing and Analytics

Elective Modules

Customise your learning pathways by selecting **ONE** of the following options:

Option A: Select Elective modules totalling 16 Modular Credits (MCs) from the list of electives below and/or the modules in applicable Minor Programmes

Option B: Select an applicable Minor Programme and an elective module of 4 MCs from the list of electives below or from the modules in applicable Minor Programmes

Option C: Select a CET-based Certificate programme and Elective module(s) from the list of electives below and/or in applicable Minor Programmes (only for eligible students)

List of Electives:

- AI Essentials and Innovations
- Cloud Application Development
- Emerging Technologies
- Ethical Hacking
- IT Project Management
- IT Service Delivery
- Mobile App Development

Industry Orientation Programme Modules

Option 1: One-Semester Industry Immersion Programme

- Project

And select one module from the list below:

- Corporate Innovation Immersion Programme
- Entrepreneurial Immersion Programme
- Industry Immersion Programme

Option 2: Two-Semester Industry Immersion Programme

- Industry Immersion Programme
- Industry Immersion Programme II

CAREER OPPORTUNITIES

You will be well-prepared to take on roles such as:

- Application Support Engineer
- Cloud & Data Centre Operation Engineer
- DevOps/SysOps Engineer
- Infrastructure Engineer
- Operations Centre Support Engineer
- Systems/Infrastructure Support Engineer



My time at RP was more than just education. It was a journey to becoming the greater me. A spark in Polytechnic Foundation Programme ignited my passion for IT, and coding challenges taught me to think out of the box. With hands-on projects and leadership opportunities, I grew far beyond the classroom. I entered as a quiet student, but I graduated confident, capable, and ready for what's next, all thanks to the transformative journey at RP."



NG JING XUAN
2025 Graduate

DIPLOMA IN

Financial Technology

Unlocking career opportunities with top financial and banking leaders.

The Diploma in Financial Technology equips you with essential FinTech skills, covering FinTech domains such as Anti-Money Laundering, Compliance Analytics and Digital Payments.

- Develop future-ready FinTech skills in Artificial Intelligence (AI), Blockchain, and Regulatory Technology, fast-tracking your career aspirations
- Gain cutting-edge FinTech experience through industry partnerships and certifications with key financial institutions and FinTech companies, including Green Link Digital Bank (GLDB), OCBC, UOB, EC-Council, Prudential, NETS and SAP
- Launch your FinTech startup through our Entrepreneurial Immersion Programme, turning your ideas into reality and gaining entrepreneurial experience before graduation



Scan to learn more



WHAT YOU WILL LEARN

General Modules

- Critical Thinking and Problem Solving Skills
- Designing Your Impact
- Designing Your Life (Future-Ready I)
- Designing Your Life (Future-Ready II)
- Designing Your Life (Personal Growth I)
- Designing Your Life (Personal Growth II)
- Effective Workplace Communication
- Innovation and Practice
- Singapore, the World and I

Discipline Modules

- AI Essentials and Innovations
- Database Systems
- Data Analytics with GenAI
- Distributed Ledger Technology Solutioning
- Enterprise Solutions for Business
- Financial Ecosystems
- Financial Technologies
- Introduction to Business Process and Automation
- IT Security and Management
- Machine Learning for Predictive Analytics
- Mathematics for Computing
- Operating Systems and Networking
- Payment Technologies
- Programming Fundamentals I
- Programming Fundamentals II
- Risk and Compliance
- Software Application Development

Elective Modules

Customise your learning pathways by selecting **ONE** of the following options:

Option A: Select Elective modules totalling 16 Modular Credits (MCs) from the list of electives below and/or the modules in applicable Minor Programmes

Option B: Select an applicable Minor Programme and an elective module of 4 MCs from the list of electives below or from the modules in applicable Minor Programmes

Option C: Select a CET-based Certificate programme and Elective module(s) from the list of electives below and/or in applicable Minor Programmes (only for eligible students)

List of Electives:

- Business Statistics
- Cloud Computing Essentials
- Data Wrangling and Automation
- DevOps Essentials
- Digital Marketing and eCommerce
- Entrepreneurship
- Financial Accounting
- IT Project Management
- Management Accounting
- RPA for Business
- Software Testing and Analytics
- UI/UX Design for Apps

Industry Orientation Programme Modules

Option 1: One-Semester Industry Immersion Programme

- Project

And select one module from the list below:

- Corporate Innovation Immersion Programme
- Entrepreneurial Immersion Programme
- Industry Immersion Programme

Option 2: Two-Semester Industry Immersion Programme

- Industry Immersion Programme
- Industry Immersion Programme II

CAREER OPPORTUNITIES

You will be well-prepared to take on roles such as:

- Associate Business Analyst
- Application Developer
- Blockchain Developer
- Compliance Analyst
- Digital Transformation Specialist
- Financial Crime Compliance Executive
- ICT Support Officer
- IT Project Executive
- Technical Support Officer

“As a curious and driven FinTech student, I've embraced a journey of discovery over the past two years. RP's incredible opportunities have fuelled my spirit of exploration, helping me navigate both challenges and triumphs. I led projects at the RP Open House, showcasing our diploma to prospective students and presented my blockchain project to industry partners. These experiences have allowed me to engage meaningfully with others, create #GreaterImpact and shape my growth both personally and professionally.”



**YONG KAI SHENG
KELSON**
2025 Graduate

DIPLOMA IN

Information Technology

Transform your ideas into digital reality!

Shape the digital landscape with the Diploma in Information Technology, a comprehensive programme that equips you with in-demand skills in software development, IT solutions management and business transformation. With specialised majors aligned to industry demands, you'll be well-prepared for a wide range of roles in software development and IT project management.

- Customise your IT journey. Choose from three in-demand majors: Full Stack Development, IT Solutions Management, or Business Digitalisation. Build robust web and mobile apps, manage enterprise systems, or drive digital transformation. This diploma equips you with the core and specialised skills demanded across industries
- Design tech with a human touch. Go beyond coding to craft meaningful user experiences. Learn UI/UX, interaction design, and prototyping to design intuitive, user-friendly digital interfaces for apps, websites, and systems. Create not just functional, but inclusive tech solutions with a human-centred approach
- Use your digital skills to empower seniors, help local businesses go digital, teach cyber wellness, and lead real community projects through service-learning and leadership programmes

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General Modules

- Critical Thinking and Problem Solving Skills
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- Designing Your Life (Personal Growth I)
- Designing Your Life (Personal Growth II)
- Effective Workplace Communication
- Innovation and Practice
- Singapore, the World and I

Discipline Modules

- AI Essentials and Innovations
- Database Systems
- Introduction to Business Processes and Automation
- IT Security and Management
- Mathematics for Computing
- Operating Systems and Networking
- Programming Fundamentals I
- Programming Fundamentals II
- Software Application Development
- Software Development Process

Major Modules

Major in Full Stack Development

- Data Intelligence and Visualisation
- DevOps Essentials
- Cloud Application Development
- Fundamentals of Design
- Mobile App Development
- Portfolio Development
- Software Testing and Analytics
- UI/UX Design for Apps

Major in IT Solutions Management

- Data Intelligence and Visualisation
- Fundamentals of Design
- Governance, Risk & Compliance and Data Protection
- IT Project Management
- IT Service and AI Operations
- RPA for Business
- Software Testing and Analytics
- UI/UX Design for Apps

Major in Business Digitalisation

- Data Analytics with GenAI
- Digital Business Strategies
- Digital Marketing and eCommerce
- Digital Storefront Creation
- Fundamentals of Design
- RPA for Business
- Software Testing and Analytics
- UI/UX Design for Apps

Elective Modules

Customise your learning pathways by selecting **ONE** of the following options:

Option A: Select Elective modules totalling 16 Modular Credits (MCs) from the following list of electives and/or the modules in applicable Minor Programmes

Option B: Select an applicable Minor Programme and an elective module of 4 MCs from the following list of electives or from the modules in applicable Minor Programmes

Option C: Select a CET-based Certificate programme and Elective module(s) from the list of electives below and/or in applicable Minor Programmes (only for eligible students)

List of Electives:

- Application Security
- Cloud Computing Essentials
- Data Wrangling and Automation
- DevOps Essentials
- Emerging Technologies
- Immersive Technologies
- IT Project Management
- IT Service and AI Operations
- Mobile App Development
- RPA for Business

Industry Orientation Programme Modules

Option 1: One-Semester Industry Immersion Programme

- Project

And select one module from the list below:

- Corporate Innovation Immersion Programme
- Entrepreneurial Immersion Programme
- Industry Immersion Programme

Option 2: Two-Semester Industry Immersion Programme

- Industry Immersion Programme
- Industry Immersion Programme II

CAREER OPPORTUNITIES

You will be well-prepared to take on roles such as:

- Automation Engineer
- Back-End Developer
- Front-End Developer
- Full-Stack Developer
- Mobile App Developer
- Game Developer
- Web Developer
- UI/UX Designer
- Digital Designer
- Software Quality Assurance (QA) Tester



Studying at RP SOI has been so fulfilling. I have always preferred practical, guided learning over big lectures and RP's approach suited me perfectly. Learning in small groups boosted my confidence, strengthened my collaboration skills and helped me build lasting friendships. RP has prepared me well for the industry, and opened doors to #GreaterPossibilities. I would definitely recommend it to future students."



DEAN CRUZ
2025 Graduate



Scan to learn more