School of Computing and Information Systems

Creating Our Digital Future

SMU
SINGAPORE MANAGEMENT UNIVERSITY

Bachelor of Science (Computer Science) [BSc (CS)],
Bachelor of Science (Computing & Law) [BSc (C&L)],
Bachelor of Science (Information Systems) [BSc (IS)],
Bachelor of Science (Software Engineering) [BSc (SE)]

Undergraduate

Dean's Message

AI is shifting the nature of jobs and redefining the skills required from early career professionals. At the School of Computing and Information Systems (SCIS), we address this shift by equipping you with the computing knowledge and AI fluency for a career in technology.

We offer four undergraduate degree programmes: Information Systems, Computer Science, Software Engineering, and Computing & Law. Each is aligned with the roles demanded by the industry. Our curricula are reviewed regularly to impart to you skills that are relevant in the evolving digital age. In a changing AI landscape, we want you to have the ability to learn, unlearn and relearn as new technologies emerge.

SCIS partners with companies to bring in real-world scenarios for you to work on under the SMU-X initiative. You will work on open-ended problems, forcing you to think critically and rationalise your decisions. This experiential approach, coupled with our seminar-style classes, encourages interactive discussion and helps you grow into a confident communicator who doesn't just know the tech, but also how to sell your ideas.

We believe your career starts long before graduation. Our unique 3-hour class blocks and flexible bidding system allow you to set aside time for internships to gain a head start. As our city campus is at the doorstep of Singapore's Central Business District, you can easily commute between work and school.

You will be taught by our team of renowned researchers and experienced industry practitioners who have made their mark in specialisations like AI, Data Science, Software Engineering, and Cybersecurity. If you are passionate about a specific topic, our guided research programme allows you to experience first-hand the challenges and exhilaration of discovery and innovation at the frontier of technology.

Join us and equip yourself to shape our digital future!

**Professor Pang Hwee Hwa
Dean, School of Computing and Information Systems**
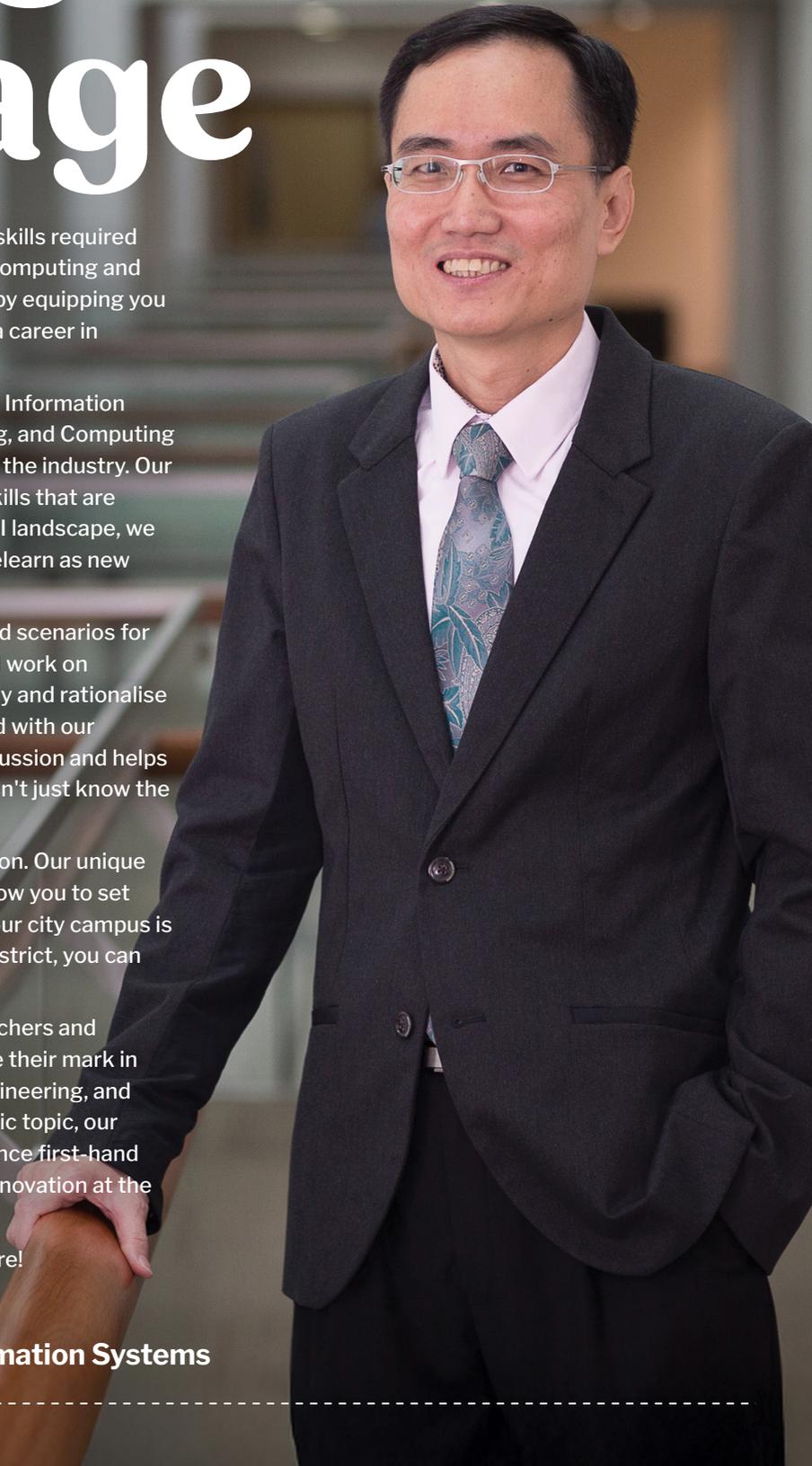
Why join SMU School of Computing and Information Systems?

HIGH GRADUATE EMPLOYABILITY

Our graduates achieved high employment rate and a strong starting salary ranging from $5,030 — $6,245. (Graduate Employment Survey 2024)

WORLD-CLASS COMPUTER SCIENTISTS & INDUSTRY PRACTITIONERS

Learn from top-tier faculty who bring deep research expertise and real-world industry experience into the classroom.

MULTIPLE CAREER PATHWAYS

Shape your educational journey with flexible major combinations and the option to fast-track to a master's degree in just 4.5 years.

EXPERIENTIAL APPLIED LEARNING

Tackle real-world problems through hands-on projects and graduate with practical skills and global perspectives that give you an edge in the workplace.

HIGHLY COLLABORATIVE CULTURE

Interact with professors in seminar-style classes and engage with peers in group activities.

ABOUT BSc (INFORMATION SYSTEMS)

Nurturing IT Professionals for Business Transformation

The Information Systems major equips you with the capabilities to develop intelligent IT solutions that create value for business and society. It gives you the flexibility to acquire either deep technical skills or a healthy balance of technical and business skills.

SMU Core Curriculum
12 Course Units

+

Information Systems (IS) Core
12 Course Units

+

IS Tracks and Electives
6 Course Units

+

Free Electives
6 Course Units

Information Systems Core Courses   `12 Course Units`

TECHNOLOGY SOLUTIONING
- Computing Fundamentals — `Year 1`
- Business Process Analysis and Solutioning
- Digital Business – Technology and Transformation — `Year 2`
- Enterprise Solution Management
- Software Project Management — `Year 3`

SOFTWARE DESIGN AND DEVELOPMENT
- Algorithms and Programming
- Data Management — `Year 1`
- Web Application Development I
- Web Application Development II
- Interaction Design and Prototyping — `Year 2`
- Enterprise Solution Development

INFORMATION SYSTEMS PROJECT EXPERIENCE   `Year 3 or 4`

You will be applying the know-how learnt from courses and industry sponsored projects. You will be exposed to tasks such as problem definition, project management, and stakeholder management while working in a team to build prototypes.

Information Systems Tracks

BUSINESS ANALYTICS
Sample Track Courses
- Analytics Foundation
- Big Data Architecture
- Data Mining & Business Analytics
- Social Analytics and Applications

FINANCIAL TECHNOLOGY
Sample Track Courses
- Digital Banking Enterprise Architecture
- Blockchain Applications in Financial Services
- Digital Payments & Innovation
- Retail Banking & Mobile Technology

PRODUCT DEVELOPMENT
Sample Track Courses
- Object Oriented Programming
- Cloud Management and Engineering
- Enterprise Business Solutions
- Managing Customer Relations with Analytics

SMART CITY MANAGEMENT & TECHNOLOGY
Sample Track Courses
- Digital Technologies for Environmental Sustainability
- Geographic Information Systems for Urban Planning
- Smart-City Operations Research
- Smart Healthcare in Asia

Indicative Grade Profiles

3H2/1H1 of Content-based Subjects for GCE A-Level Applicants:

10th Percentile	90th Percentile
BBC/C	AAA/B

GPAs for Polytechnic Applicants:

10th Percentile	90th Percentile
3.61	3.89

Experiential Learning: Capstone Project

One example of a capstone project is the TeachingPro VR, a Virtual Reality (VR) application designed to enhance classroom management skills for new instructors at SMU. TeachingPro VR aims to address gaps in SMU's current Faculty Teaching Forum (FTF), where faculty members receive limited exposure to real-time classroom dynamics and authentic student behaviours. The application offers an immersive VR environment that emulates common classroom events, enabling instructors to practise handling disruptive behaviours, facilitating class participation, and responding to diverse classroom challenges in a simulated seminar-style setting.

Main Audience
New SMU Instructors

Main Objective
Enhance the new instructor training process: Faculty Teaching Forum (FTF)

Business Problem

1. Unscalable Teaching
- FTF is resource- and time-intensive, limiting personalised support for each instructor

2. Unrealistic Environment
- FTF sessions lack the authentic classroom dynamics where real student behaviours emerge
- New instructors often feel overwhelmed and struggle to recall content after FTF ends

Tailored Practice
Choose diverse classroom events for personalised learning

Guided Immersion
Handle realistic student behaviours with guiding prompts

Reinforced Learning
Manage student behaviours independently and retain progress

Achievements

TeachingPro VR provided a safe controlled classroom environment for educators to simulate teaching environment. By integrating performance tracking tools, and simulation of dynamic student interactions, educators got to practise navigating complex teaching scenarios with confidence, enhancing their preparedness for real-world challenges.

EXAMPLE OF JOB ROLES:

Applications Developer | AI Business Analyst | Data Engineer | DevOps Engineer | Enterprise IT Architect | Financial System Analyst | Product Developer | Software Engineer | Sustainable Solutions Developer | User Experience Designer

ABOUT BSc (COMPUTER SCIENCE)

Nurturing Professionals for Technological Innovation

The Computer Science degree equips you with the technical foundations to design and build intelligent computing products and solutions for today's digital economy and society. Students develop a strong understanding of the interplay between computing theory and practice, with particular emphasis on the essential skills in business innovation, development, deployment, and management of data-driven and AI-enabled solutions.

SMU Core Curriculum
6 Course Units

+

AI Solution Development Core
17 Course Units

+

CS Tracks and Electives
7 Course Units

+

Free Electives
6 Course Units

AI Solution Development Major — 17 Course Units

PROGRAMMING
- Programming Fundamentals I — Year 1
- Programming Fundamentals II — Year 1

INFORMATION MANAGEMENT
- Data Management — Year 1
- Interaction Design and Prototyping — Year 1

ALGORITHMS
- Mathematical Foundations of Computing — Year 1
- Data Structure and Algorithms — Year 2
- Design and Analysis of Algorithms — Year 2

COMPUTER SYSTEMS
- Operating Systems — Year 2
- Computer Networks — Year 2
- Computer Architecture — Year 2

AI FOUNDATIONS
- Statistical Thinking for Data Science — Year 1
- Linear Algebra for Machine Learning — Year 2
- Artificial Intelligence Fundamentals — Year 2
- Human-AI Collaborative Software Development

SOLUTIONING
- Solution Architecture — Year 3
- DevOps Principles and Practices — Year 3

COMPUTER SCIENCE PROJECT EXPERIENCE — Year 3 or 4

Computer Science Tracks

FRONTIER ARTIFICIAL INTELLIGENCE
Sample Track Courses
- Principles of Machine Learning
- Agent-based Modeling and Simulation
- Generative AI for Natural Language Communication
- Heuristic Search and Optimisation

CYBERSECURITY
Sample Track Courses
- Foundations of Cybersecurity
- Cyber Threat Intelligence
- Data Security and Privacy
- Software and Systems Security

SOFTWARE SYSTEMS
Sample Track Courses
- Full Stack Development
- Advanced Database Systems
- Computer Graphics and Virtual Reality
- Mobile and Pervasive Computing and Applications

EXAMPLE OF JOB ROLES:
AI Solution Architect | Chatbot Engineer | Cybersecurity Operations Engineer | Product Manager | Software Developer | Machine Learning Developer | IoT Solution Architect | VR-AR Systems Engineer | Forward Deployed Engineer

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Indicative Grade Profiles

3H2/1H1 of Content-based Subjects for GCE A-Level Applicants:

10th Percentile	90th Percentile
AAB/B	AAA/A

GPAs for Polytechnic Applicants:

10th Percentile	90th Percentile
3.80	3.98

Experiential Learning: Computer Science Work-Study Elective

The Computer Science Work-Study Elective provides greater flexibility and value for students, developing them to be industry-ready graduates who are adaptable, flexible, and innovative in building the next generation of computing solutions.
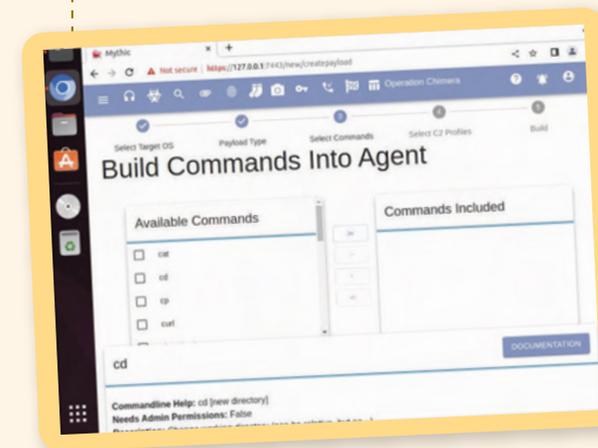
JUSTIN LAM
Security Engineer (Offensive Security) Intern, ByteDance

Justin performed security engineering, which entailed conducting penetration testing to identify security vulnerabilities in the staging/production environment. Other tasks included monitoring and analysing emerging cyber threats and vulnerabilities.

WEI BIN AU YEONG
Algorithm Engineer Intern, eCommerce (Intelligent Customer Service), TikTok

Wei Bin worked on an intent recognition model (extreme multi-label text classification) to serve both buyers and sellers in countries served by TikTok Shop.

Day-to-day tasks included:
1. Training models
2. Running experiments on different prompts, data, and configurations
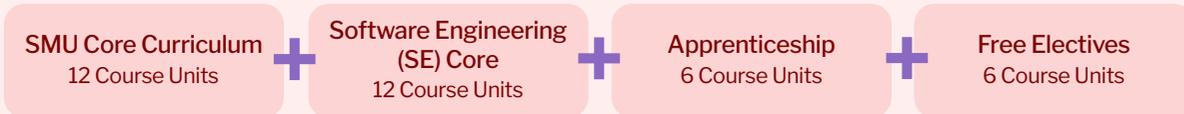3. Quality checks on training and evaluation data
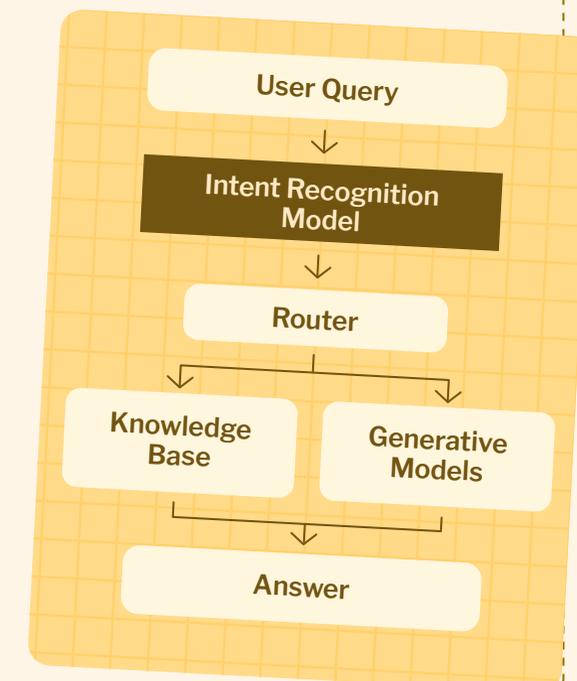
ABOUT BSc (SOFTWARE ENGINEERING)

Nurturing Tomorrow's Software Engineers

The BSc (Software Engineering) degree prepares students to become highly-qualified software engineers using a curriculum that is co-developed and co-taught with our industry partners.

It features a rigorous 52-week apprenticeship where you get to work in development teams under the mentorship of professional software engineers.

SCIS collaborates closely with our industry partners to equip you with technical, teamwork, and communication skills to take on software engineering roles. Besides mentorship, career talks and guest lectures, our industry partners will also co-develop and co-teach the curriculum to ensure that you are familiar with current trends and best practices in software engineering.

| SMU Core Curriculum 12 Course Units | + | Software Engineering (SE) Core 12 Course Units | + | Apprenticeship 6 Course Units | + | Free Electives 6 Course Units |

Software Engineering Core Courses   `12 Course Units`

SOFTWARE DEVELOPMENT
- Algorithms and Programming — `Year 1`
- Web Application Development I
- Human-AI Collaborative Software Development
- Programming Fundamentals II — `Year 2`
- Web Application Development II
- Advanced Programming & Design — `Year 3`

COMPUTING FOUNDATIONS
- Data Management — `Year 1`
- Operating Systems and Networking
- Foundations of Cybersecurity — `Year 2`

SOLUTION MANAGEMENT
- Enterprise Solution Development — `Year 2`
- Enterprise Solution Management
- Solution Architecture — `Year 3`

Apprenticeship

52-WEEK FULL-TIME APPRENTICESHIP   `Year 3 or 4`

Get a head start in your career by embarking on an apprenticeship which is strongly supported by both academia & industry. Strengthen and build your technical and soft skills while solving real-world problems.

Indicative Grade Profiles

3H2/1H1 of Content-based Subjects for GCE A-Level Applicants:

10th Percentile	90th Percentile
BBC/B	AAA/C

GPAs for Polytechnic Applicants:

10th Percentile	90th Percentile
3.67	3.93

Experiential Learning: Apprenticeship

"The extended apprenticeship of the Software Engineering degree gives me the chance to see projects through from start to finish. Like many others, I find the idea of entering the workforce intimidating, but this apprenticeship provides a better view of the professional world while giving me the space to learn and make mistakes. On top of that, the small cohort size and the frequent workshops have fostered strong relationships with my peers and professors, helping me feel supported both academically and emotionally. This is where I found my closest groups of friends."

CLARISSA KOH
BSc (Software Engineering) student, Year 4

"NCS is excited to be one of the inaugural partners of SMU in launching the BSc (Software Engineering) degree. This collaboration reflects our belief that a career in IT goes beyond coding—it's about solving real-world problems with innovation and impact. By co-developing the curriculum, offering hands-on apprenticeship opportunities, and fostering mentorship through our industry experts, we are committed to equipping students with the skills and experience they need to thrive in the ever-evolving tech landscape. Students can also look forward to building their future with us and becoming part of our team at NCS."

HOWIE LAU
Managing Partner, Corp Development and Partnerships NCS Group

EXAMPLE OF JOB ROLES:

Full-stack Software Developer | Software Engineer | Web Developer | Software Quality Engineer |DevOps Engineer | Software Architect | IT Consultant

NCS SCHOLARSHIP AVAILABLE TO BSc (SOFTWARE ENGINEERING) STUDENTS

Established in 2022, the NCS Scholarship aims to motivate outstanding undergraduates at the University to achieve academic excellence and to inspire the younger generation in advancing their career in the technology and services industry.

OUR ANCHOR PARTNERS:

GOVTECH SINGAPORE   ncs///   UBS

ABOUT BSc (COMPUTING & LAW)

Nurturing Professionals for Digital Law & Governance

The Computing and Law degree equips you with skillsets in operating IT and business innovations within a legal framework, and employing IT in legal practice. Beyond a solid foundation in computing and law, you will specialise in advanced technology tracks to become future-ready for business and public sectors, consulting and finance sectors, as well as the legal sector.

| SMU Core Curriculum 7 Course Units | + | Computing & Law (C&L) Core 18 Course Units | + | C&L Tracks and Electives 8 Course Units | + | Free Electives 3 Course Units |

Computer & Law Core Courses — 18 Course Units

COMPUTING CORE COURSES
- Data Management — Year 1
- Web Application Development I — Year 1
- Algorithms and Programming
- Statistical Thinking for Data Science
- Business Process Analysis & Solutioning — Year 2
- Digital Business - Technology & Transformation
- Interaction Design and Prototyping
- Software Product Management — Year 3

LAW COURSES
- Contract Law 1
- Contract Law 2
- Criminal Law — Year 1
- The Singapore Legal System and Legal Analysis Skills
- Law of Torts
- Intellectual Property Law — Year 2
- Corporate Law
- Privacy and Data Protection Law — Year 3

COMPUTING & LAW PROJECT — Year 3 or 4

Experiential Learning: Final Year Project

A group of Computing and Law students conducted a project with international law firm Clifford Chance Singapore to develop a solution to automate regulatory alerts for the finance industry.

The students developed a solution that leverages Web scraping, Robotic Process Automation (RPA), and Generative AI to automatically track, identify, summarise, and compile regulatory updates into a single email digest.

"This project experience allowed me to draw upon both my Computing and Law knowledge. Not only did we get to build an end-to-end solution where we had to do web scraping, model training, and designing and building the backend and frontend architecture, we also had to determine which kinds of legislative news are most important for legal professionals, and factor in the legal implications of our solution. We also acquired the crucial experience of working with various stakeholders, including some from overseas. It was overall a very enriching and valuable learning experience."

KOH RUI XIN
BSc (Computing & Law) Alumna, Class of 2024
Cyber and Information Security Associate, Temus

Indicative Grade Profiles

3H2/1H1 of Content-based Subjects for GCE A-Level Applicants:

10th Percentile	90th Percentile
ABB/A	AAA/A

GPAs for Polytechnic Applicants:

10th Percentile	90th Percentile
No indicative GPA as sample size is small	

Examples of Job Roles:

Business & Public Sectors:
Digital Transformation Consultant
Technology Innovator
Regulatory & Policy Advisor

Consulting & Finance Sectors:
Technology Strategist
IT Compliance and IT Auditor
Risk Management Analyst

Legal Sector:
Legal Knowledge Engineer
Legal Tech/Project Manager
Legal Technologist

Lawyers, Legal Advisors Practicing Technology Law:
Only applicable to BSc (Computing & Law) with a Fast-Track to Juris Doctor programme offered by SMU Yong Pung How School of Law

UNDERGRADUATE GUIDED RESEARCH OPPORTUNITIES

Undergraduate students will have the opportunity to conduct academic research. In a specially designed UResearch programme, students discover their interest in research, while also preparing themselves for graduate studies. The programme allows students to apply their knowledge in real-world settings.

Journals and conferences where our students have published papers as co-authors during their undergraduate research programme

Multi-lingual multi-partite product title matching,
By Huan Lin Tay (Class of 2023), Wei Jie Tay (Class of 2023), and Hady W. Lauw,
ACM Web Conference (TheWebConf'23), Apr 2023.

Training language models to summarize narratives improves brain alignment,
By Khai Loong Aw (Class of 2024) and Mariya Toneva,
ICLR 2023.

Improving environment novelty quantification for effective unsupervised environment design,
By Jayden Teoh (2023 Intake), Wenjun Li, and Pradeep Varakantham, NeurIPS 2024

Is a pretrained model the answer to situational awareness detection on social media?
By Siaw Ling Lo, Kahhe Lee (Class of 2023), and Yuhao Zhang, Hawaii International Conference on System Sciences 2023

Automatic grading of short answers using Large Language Models in software engineering courses,
By Nguyen Binh Duong Ta and Yi Meng Chai (Class of 2025), EDUCON 2024

Peer learning in an undergraduate linear Algebra course - A social network analysis,
By Manoj Thulasidas, Kyong Jin Shim, and Jonathan Teo (2022 Intake), TALE 2023

Video sentiment analysis for child safety,
By Yee Sen Tan (Class of 2024), Nicole Anne Huiying Teo, Ezekiel En Zhe Ghe (Class of 2024), Jolie Zhi Yi Fong, and Zhaoxia Wang, ICDM 2023

SMU CORE CURRICULUM

The SMU Core Curriculum is a holistic programme that initiates undergraduates into a journey toward intellectual dynamism and self-actualisation. It is based on the following 3 pillars:

CAPABILITIES
Equips students with 21st century skills necessary to thrive in an increasingly digitised and data-driven working environment.
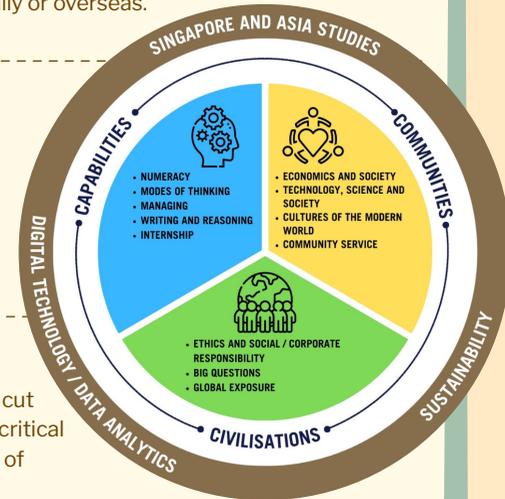Students will also complete an internship, either locally or overseas.

COMMUNITIES
Trains students to understand the economic, technological, and cultural systems that shape our interactions with our communities.
Students will also complete a community service project, either locally or overseas.

CIVILISATIONS
Immerses students in the fundamental debates that cut across time and space, preparing them to engage in critical dialogue between multiple and competing traditions of thought and problem-solving.
Students will also complete a global exposure experience.

- **CAPABILITIES**
  - NUMERACY
  - MODES OF THINKING
  - MANAGING
  - WRITING AND REASONING
  - INTERNSHIP
- **COMMUNITIES**
  - ECONOMICS AND SOCIETY
  - TECHNOLOGY, SCIENCE AND SOCIETY
  - CULTURES OF THE MODERN WORLD
  - COMMUNITY SERVICE
- **CIVILISATIONS**
  - ETHICS AND SOCIAL / CORPORATE RESPONSIBILITY
  - BIG QUESTIONS
  - GLOBAL EXPOSURE

SINGAPORE AND ASIA STUDIES · SUSTAINABILITY · DIGITAL TECHNOLOGY / DATA ANALYTICS

ADDITIONAL GRADUATION REQUIREMENTS

Digital Technology/Data Analytics (D/D), Sustainability, and Singapore and Asia Studies
Students can meet each graduation requirement by enrolling in specific courses, or, in select Schools, through programme or major core courses where the relevant content has already been integrated to meet the graduation requirement.

INTEGRATED POSTGRADUATE PROGRAMMES

Integrated Postgraduate Programmes allow promising undergraduates at our school to pursue a Bachelor's and a Master's degree within a shorter period of time. We offer the following fast-tracks for SCIS undergraduate programmes:

SMU-Master of Science in Computing (MSC)
OPTIONS INCLUDE:
- Cybersecurity
- Data Science & Engineering
- Software & Cyber-Physical Systems

SMU-Master of IT in Business (MITB)
OPTIONS INCLUDE:
- Analytics
- Artificial Intelligence
- Cybersecurity
- Digital Transformation
- Financial Technology and Analytics

SMU-Carnegie Mellon Masters Programme
OPTIONS INCLUDE:
- Master of Computational Data Science
- Master of Science in Information Technology

SMU-Juris Doctor Programme
Eligible to BSc (Computing & Law) students meeting the criteria for enrolment in the Juris Doctor Programme offered by SMU Yong Pung How School of Law.

MEET OUR ALUMNI

Since graduating from the School of Computing and Information Systems, Yihao has amassed over a decade of experience in the Intelligence Security domain earning recognition as a trusted expert sought after for sharing insights on managing cyber threats. He is currently working as a Lead Threat Intelligence Advisor at Google.

LIM YIHAO
Lead Threat Intelligence Advisor, Google (Singapore)

Recognised as an honoree in IMDA's 2023 SG Top 100 Women in Tech, Joanna has made significant contributions to the tech community. Her start-up Attribute Data is a data intelligence consultancy that empowers organisations to use data to derive strategic intelligence that provokes new perspectives and eliminate uncertainty in decision making. As a member of SMU's Alumni Founders Executive Committee, she actively mentors aspiring entrepreneurs from her alma mater. Joanna also serves as Principal and Portfolio Lead at Protégé Ventures, Asia's first student venture capital fund established at SMU.

JOANNA TEO
Founder, Managing Director, Head of Data Intelligence, Attribute Data

Ayush currently oversees transformation and technology advisory (across the APAC market with a portfolio focus in Singapore and Indonesia), and is recognised for delivering growth and innovation for large-scale organisations. With his proven track record of delivering complex projects and building high-performing teams, Ayush has specialised in helping businesses leverage technology to achieve their strategic objectives for revenue growth and operational efficiency. He possesses a deep understanding of emerging technologies and a strong focus on delivering measurable business outcomes.

AYUSH VIJ
Delivery Director - Asia Pacific Region, Thoughtworks

After graduating with a degree in Information Systems, Nian Kai is working as a DevOps Engineer. At Visa, his work involves backend development and automation. He develops features and automates manual processes to ensure reliability and efficiency of the operations and infrastructure in Visa.

TEO NIAN KAI
DevOps Engineer, Visa

After earning his bachelor's degree in Information Systems from SMU, Geoffrey pursued a master's degree at Cornell University. Currently based in Seattle, he works as a Software Engineer at Meta. He has a decade long experience working as a Software Engineer in the US tech industry building innovative software solutions that drive business growth and enhance user experience.

GEOFFREY GOH
Software Engineer, Meta (USA)

Felice is working as a Software Engineer at ByteDance after graduating with a degree in Computer Science from SMU. As part of the payments team, Felice helps build secure and efficient systems to facilitate seamless e-commerce transactions on TikTok Shop.

FELICE PNG
Software Engineer, ByteDance

THE SCHOLARSHIPS SCIS PROVIDE

MANY PRESTIGIOUS SCHOLARSHIPS THAT ACKNOWLEDGE YOUR ABILITY AND TENACITY

SMU SCIS places strong emphasis on a holistic educational approach for all its students where social and ethical responsibilities are as important as academic excellence.

Scan the QR Code for the full list of scholarships

OPEN FOR APPLICATION FOR BOTH FRESHMEN AND SENIORS!

Examples of Scholarships for Prospective Students

- SMU Global Impact Scholarship Programme
- Lee Kong Chian Scholars' Programme
- SCIS Frontier AI Scholarship **NEW**
- SMU Merit Scholarship Programme
- SMU SCIS Achievements Scholarship
- Ng Kai Wa Scholarship
- SMU Steven Miller Scholarship
- Alvin Poh Endowed Scholarship
- Red Hat Scholarship

"As an LKC scholar, I'm grateful for the unique opportunities available to me, such as heading overseas community projects and participating in leadership workshops. The scholarship is incredibly comprehensive, covering not only my school fees but also subsidising future overseas opportunities. In Year 2 or 3, I'm excited about the possibility of going on exchange at London School of Economics to pursue modules related to a second major in Digital Business."

LEE JIN RAE
BSc (Software Engineering) student, Year 2, Lee Kong Chian Scholar

"SMU SCIS gave me an engaging space to learn from my professors and peers. With helpful teaching faculty and meaningful programmes such as UResearch, I was given ample opportunities to learn from my professors in a safe space. The seminar-style classes encouraged active participation during lessons, making learning engaging and meaningful. Most importantly, the application-based learning style allowed me to apply the knowledge I learnt on fun projects, preparing me for the working world."

TAY HUAN LIN
Software Engineer, Google
SCIS Alumnus, Class of 2023
SMU Merit Scholar

When it comes to your future, SMU puts FIRST things first

1st with an interdisciplinary and integrative curriculum

1st to offer global exposure for ALL students

1st university in Singapore to let you design your own major

1st to offer a dedicated sustainability major (as a second major)

1st with a Core Curriculum that is the most flexible as well

1st with 100% seminar-style classes

1st to guarantee a 2nd major for all students

1st to pioneer a CCA transcript for graduates

1st LOCAL UNI TO PIONEER ALL THESE!

500+ double major combinations

Pick, choose and get a career head start!

100% flexibility

Guaranteed 2nd major

You don't have to choose your major(s) until year 2 in SMU!

You are guaranteed a 2nd major when you enter SMU.
This means you can take courses and majors across all seven schools. You will be better equipped, more versatile, capable and gain an edge over your peers!

| Single Degree Programme with 1 Major | Single Degree Programme with 2 Majors | Double Degree Programme with 2 Majors | Double Degree Programme with 3 Majors |

1/3 Major

1/3 Core Curriculum

1/3 Whatever else you want to explore

School of Accountancy

- Accounting
- Accounting with track in Sustainability Accounting **NEW**
- Accounting Data and Analytics (to be taken as a 2nd major)
- Financial Forensics (to be taken as a 2nd major)

Lee Kong Chian School of Business

- Communication Management
- Communication Management with track in Data, Design, & Communication
- Finance
- Finance with track in Finance Analytics
- Finance with track in Real Estate
- Finance with track in Wealth Management
- Finance with track in International Trading
- Finance with track in Banking
- Finance with track in Sustainable Finance
- Finance with Private Banking Work-Study Degree
- Innovation & Entrepreneurship
- Marketing
- Marketing with track in Marketing Analytics
- Operations Management
- Operations Management with track in Operations Analytics
- Operations Management with track in Maritime Business & Operations
- Organisational Behaviour & Human Resources
- Quantitative Finance
- Strategic Management
- Digital Business (to be taken as a 2nd major)
- Sustainability Management (to be taken as a 2nd major)

School of Computing and Information Systems

BSc (Information Systems) Degree
Information Systems Major with:

Single track options:
- Business Analytics
- Product Development
- Financial Technology
- Smart-City Management & Technology

Dual tracks options:
- Business Analytics and Product Development
- Business Analytics and Financial Technology
- Product Development and Financial Technology
- Product Development and Smart-City Management & Technology
- Smart-City Management & Technology and Business Analytics
- Smart-City Management & Technology and Financial Technology

BSc (Computer Science) Degree
AI Solution Development Major with:

Single track options:
- Frontier Artificial Intelligence
- Cybersecurity
- Software Systems

Dual tracks options:
- Frontier Artificial Intelligence and Cybersecurity
- Frontier Artificial Intelligence and Software Systems
- Cybersecurity and Software Systems

BSc (Computing & Law) Degree
BSc (Software Engineering) Degree
Second Majors

For BSc (Information Systems), BSc (Computing & Law) and BSc (Software Engineering) students only:
Computing Studies
- Frontier Artificial Intelligence
- Cybersecurity
- Software Systems

For BSc (Information Systems), BSc (Computer Science), BSc (Computing & Law) and BSc (Software Engineering) students only:
- IT Solution Management

For BSc (Computer Science), BSc (Computing & Law) and BSc (Software Engineering) students only:
Technology for Business Solutions
- Business Analytics
- Financial Technology
- Product Development
- Smart-City Management and Technology

For students from other schools within SMU
- Technology for Business

School of Economics

- Economics
- Economics with track in Quantitative Economics
- Economics with track in Real Estate
- Actuarial Science (to be taken as a 2nd major)
- Actuarial Science with Industry Integration Track (to be taken as a 2nd major)
- Health Economics & Management (to be taken as a 2nd major)
- Data Science and Analytics (to be taken as a 2nd major)

Yong Pung How School of Law

- Law
- Legal Studies (2nd major for non-Law students)

School of Social Sciences

- Politics, Law and Economics (to be taken as a 1st major only)
- Political Science
- Psychology
- Sociology
- Global Asia (to be taken as a 2nd major)
- Public Policy and Public Management (to be taken as a 2nd major)
- Sustainable Societies (to be taken as a 2nd major)

College of Integrative Studies

- Deferred Declaration of Degree
- Individualised Major
- Individualised Second Major

SMU
SINGAPORE MANAGEMENT UNIVERSITY

School of
Computing and
Information Systems

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