



GRADUATE DIPLOMA IN

SYSTEMS ANALYSIS

**Gear Up for a
Digital Future**

Embark on a 1-year transformational journey

“The NUS-ISS GDipSA programme provides a comprehensive and holistic IT education that will equip their students with the latest infocomm technology knowledge and skills. We have actively participated in the NUS-ISS internship programme for a number of years and have benefited from the quality of interns coming through the programme. Most of them were made full-time employees after their graduation due to their exemplary internship performance.”

Mr Kevin Wo, General Manager, ASEAN, Avanade Asia
Avanade Asia is one of NUS-ISS' partner companies offering internship to GDipSA students

“NUS is one of the top 30 universities in the world, and since we have started this partnership with ISS in 2007, we have taken in 40 excellent students.”

Mr Antonio Alvarez, Learning and Organisation Development Head – Divisions & Design – Greater China & South Asia, STMicroelectronics Asia Pacific Pte Ltd.
STMicroelectronics is one of ISS' partner companies offering internship to GDipSA students



Students enjoying NUS-ISS' wide range of learning resources

At the Institute of Systems Science (NUS-ISS), we empower our students to effectively apply what they have learnt and succeed in businesses or careers anywhere in the world. Since 1981, our courses and programmes have benefitted more than 109,000 IT professionals, including over 40 intakes of students from the Graduate Diploma in Systems Analysis (GDipSA).

GET REAL EXPERIENCES & BENEFITS

The 1-year full-time programme is designed to produce IT specialists and leaders in real-world operating environments, to ensure total employability. It has especially benefitted many who had taken the course for the switch to promising IT careers.

Many of the graduates from this programme have built successful careers including becoming Chief Information Officers, IT Department Directors, IT Architects, Project Managers, IT Consultants, Systems Designers and Programmers, in the public sector and with multi-national and local enterprises in industries such as banking and finance, ICT, logistics, manufacturing and transport.

Who should consider this programme?

- >> **Non-IT graduates who are keen to carve a new career in the Infocomm industry**
- >> **IT graduates looking to gain practical experiences**
- >> **Mid-career professionals who want to keep themselves relevant**

Three key benefits of this learning journey:

- >> **Industry-Relevant Curriculum**
Learn about the real-world via industry-tailored content through lectures, workshops, laboratory sessions and projects
- >> **Experiential Learning**
Gain experiences through an 8-month intensive training with project work, and a 7-month industrial attachment, or internship, to companies
- >> **Renowned Teaching Staff**
Acquire cutting-edge IT knowledge and skills from lecturers with global industry experiences

BE PRACTICE-DRIVEN FOR SUCCESS

This programme will equip you with the capability to understand existing systems and provide sustainable solutions for expansion or upgrading.

By the end of the programme, you will be able to:

- >> Gather user requirements
- >> Systematically analyse and design feasible solutions
- >> Select the right technology
- >> Code, test and implement proposed solutions
- >> Trouble-shoot problems

Students will be assigned to work in project teams to acquire experience through "on the job training", and internship.



BE EMPOWERED & READY FOR THE WORLD

Besides acquiring the skills to become an all-rounded IT Professional, you will have opportunities to interact and learn from an international community of students and lecturers. Such exposure will give you an edge in this increasingly globalised world, where cross-border and cross-cultural business interaction has become a norm.

Working for an organisation in project teams, you will gain invaluable insights and real work experiences during your 5-month internship. In addition to picking up useful soft skills to work more effectively with others, you will also acquire problem solving, project management, teamwork and leadership skills.

ISS students will have access to the entire community of the National University of Singapore (NUS) - an educational hub complete with residential spaces, teaching facilities and study clusters. Easily accessible by the campus bus, by foot or cycling, it provides a lively intellectual, social and cultural environment as well as ample spaces for self-study and peer learning.

"I chose this programme because it is specially designed to transform students with no IT background into IT professionals within a short time frame. The five-month internship and many hands-on projects also appealed to me. This course enabled me to get a headstart into the IT industry."

Ms Sarah Lee, Singapore, GDipSA 41st Intake, Software Engineer, Alpsport Technologies

Participating internship companies include:

- Accenture
- Bosch
- Coca Cola
- DSO National Laboratories
- Deloitte & Touche Enterprise Risk Services
- Infineon Technologies
- Inland Revenue Authority of Singapore
- Integrated Health Information Systems
- Land Transport Authority
- NEC
- OCBC Bank
- Resorts World Sentosa
- Rolls Royce
- Singapore Airlines
- UOB Bank

THE GDIPSA LEARNING ROADMAP

6 months

Technical Skills

TERM 1

Programming with C#

TERM 2

Advanced Web and Mobile-Web Application Design and Development

Soft Skills

Systems Analysis and Design

Java Programming and Android Application Development

Assessment

2 written exams

User Requirement Gathering & Presentation

Project Management

3 written exams

Learning from lecturers and peers

Learning from Curriculum

The curriculum, which is kept up to date with the latest IT developments, is put together in consultation with experienced practitioners from the IT industry.

Learning Tools



Assignments & Tests



Projects



Workshops



Live demonstrations



Case studies



Role-playing

1 month	5 months
AD PROJECT	INTERNSHIP
Application Development (AD) Project with end-to-end software development life cycle	Work on real IT projects in the IT industry
Teamwork, project management, conflict management, user interview techniques	Preparation Workshops <ul style="list-style-type: none"> • Business etiquette • Resume writing • Job interview techniques
Delivery of working solution	Presentation & Report on internship journey

Learning from peers

Learning from Projects

Teams will go through a complete application development life cycle to propose, develop and deliver an IT solution.



Learning from industry and supervisors

Learning from Internship

Examples of internship projects include conceptualisation, design and development of an executive dashboard system, job request and time sheet management systems, Internet banking systems and many more.

An ISS internship supervisor will be assigned to each team. He/she will provide guidance throughout the course of the internship. Teams will also work closely with a supervisor from their internship company.



“The most impressive quality of the interns is their versatility. Many of them picked up new skills and computing languages as they embark on their internship programme. Grounded in the skills that they have learnt from the GDipSA programme, many of them excel in displaying resourcefulness and initiative by picking up other skills along the way.”

Ms Ng Wee Wei, Managing Director (Health & Public Services ASEAN), Accenture Pte Ltd
Member of the Judging Panel for the Accenture Best Internship Project Award

AWARDS

- Accenture Best Internship Project to one winning team
- IBM Gold Medal and Book Prize
- ISS Book Prize

"The Curriculum was grounded in both theory and practice through its projects and internship, and the lecturers brought with them industry experience. I learnt to adopt more than one perspective during the process of problem-solving and solutioning, and acquired the skills for systems thinking and critical analysis. NUS-ISS opened the pathway to the world of IT and I have not regretted the choice of joining the profession.

Mr Lau Kai Cheong, GDipSA 5th Intake, Chief Information Officer, Singapore Management University

PREVIEW TALKS

Come and find out more about the GDipSA programme at our preview talks. Visit www.iss.nus.edu.sg/PreviewTalks for more details.

We conduct in-country aptitude tests and interviews in selected countries.

TAKE THE LEAD IN YOUR IT CAREER & ENROL NOW!

1 Admission Criteria

Applicants must possess the following pre-requisites:

- Bachelor degree from a recognised university
- Proficiency in the English Language (written and spoken)*
- Some work experience preferred

All applicants are required to take an aptitude test. Shortlisted applicants will also need to attend an interview. Foreigners are welcome to apply.

*Applicants whose native tongue and medium of university instruction is not in English should submit the TOEFL or IELTS score as evidence of their proficiency in English.

2 How To Apply

All applicants are required to apply online for our graduate coursework programme

Intake	Registration Start Date	Registration Closing Date
February intake	1 July	15 October
August intake	2 January	15 April

* Applicants will be notified by email after the closing date about the information on the aptitude test arrangement.

3 Fees & Loans

The substantial tuition subsidy from the Government of Singapore comes in the form of an MOE subsidy which is administered by the Ministry of Education (MOE) and is offered to all admitted students up to the maximum course duration. Students need not apply for the MOE subsidy if they are eligible.

Scan this QR code for more details on admission criteria



Scan this QR code for more details on the application process



Scan this QR code for more details on tuition fees and loans



GLOBAL NETWORKS

Upon attainment of an unparalleled education at NUS-ISS, you will be part of an extraordinary alumni community of leaders and innovators. A vibrant and engaged alumni community will further enhance the value of your qualification and enrich your network of internationally-recognised IT practitioners.

OUR ALUMNI ARE GOING PLACES

You can find GDipSA alumni in global companies like:

- Accenture
- CitiBank
- CrimsonLogic
- Hewlett Packard
- Inland Revenue Authority of Singapore
- James Walter Thompson
- KPMG
- Microsoft
- Ministry of Foreign Affairs
- NCS
- OCBC Bank
- Ogilvy & Mather
- Singapore Telecommunications
- Sony
- STATS ChipPAC
- STMicroelectronics



// The primary reason for choosing the GDipSA programme was my interest in computer science, and this programme allows an arts student like me to cross over into the IT industry within a year. Taking this course will allow me to gain relevant IT knowledge and skills for the IT industry. //

Mr Chen Mushi, Luke, Singapore, GDipSA 39th Intake
Technologist, TheSmartLocal
Winner of the Accenture Best Internship Project Award



// The experience and knowledge gained from the GDipSA programme has enabled me to transform business ideas into system language and build better systems which are more efficient and user-friendly. This programme is perfect for people who do not have any technical background but are interested in venturing into the IT industry. //

Ms Goh Siow Chuen, Malaysia, GDipSA 38th Intake
Quality Analyst, OCBC Bank
Winner of the IBM Gold Medal and Book Prize



// I was looking for a course that could help me acquire the latest technical skills and provide industrial exposure so I can enter the IT industry. I found the curriculum of the GDipSA programme very well-designed. The course also focused on the development of soft skills which I believe would prepare me for many roles in the IT industry. //

Ms Gauri Choudhary, India, GDipSA 38th Intake
Systems Analyst, Integrated Health Information Systems
Winner of the ISS Book Prize

// I chose the GDipSA programme because I know that I will get an internship in the IT industry and apply theoretical knowledge into real-life situations. It has given me the key to open doors to an amazing world of IT. //

Ms Wang Juan, China, GDipSA 41st Intake
Analysis Programmer, Jardine OneSolution





“NUS-ISS designed the GDipSA programme primarily for non-IT graduates to craft a new career in IT. But in recent years, many graduates have also joined the programme to sharpen their IT skills to meet the needs of the local industry.”

Dr Leong Mun Kew, Deputy Director,
NUS Institute of Systems Science

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WHY STUDY GDIPSA AT ISS

This 1-year programme is designed to ensure that you will become strong in both academics and practice, making you sought-after candidates of dynamic and successful multi-national corporations and institutions. The nurturing environment at NUS-ISS will help transform you into globally-aware leaders, equipped with inter-cultural fluency and practical insights in the world of Infocomm.

National University of Singapore

The National University of Singapore (NUS), founded in 1905, is the country's flagship university and largest in terms of courses and student enrolment. Known for its global approach to education and research with a focus on Asian perspectives and expertise, NUS has been ranked amongst the top 30 universities in the world.

With 16 faculties and schools across three campus locations in Singapore, NUS offers transformative education that builds capabilities and nurtures appropriate international perspectives for business and career anywhere in the world.

Institute of Systems Science

NUS-ISS, established in 1981, is a specialist training institute of the NUS providing IT graduate education and professional development courses to develop Infocomm leaders and drive business and organisation innovation. It offers world-class graduate programmes and professional diplomas as well as professional development courses. NUS-ISS also conducts research and provides consulting services to industry to help drive innovation in the public and private sectors. Over 109,000 Infocomm professionals and 6,300 corporate customers have benefitted from the programmes and services.

For further queries, please email us at isspostgrad@nus.edu.sg or call **+65 6516 2093**.