Transforming You and Your Career with SIS!

The BSc (Information Systems Management) Programme
School of Information Systems, SMU
WHY SIS?

IT’S THE WAY WE...

connect IT & Business
learn
apply what we learn
help people & change things

prepare you for the future
bond as a community & family
transform you
provide great career opportunities

Visit the page at
http://www.sis.smu.edu.sg/programme/BSc/why-sis.asp
“... The industry needs people like us – being able to communicate with business people, understanding what is lacking and apply strategic or tactical technology solutions to relieve their pain points, improve their productivity and efficiency...”

Seetoh Yong Chuen (Year 4)
BSc (Information Systems Management) Curriculum

INFORMATION TECHNOLOGY & SYSTEMS
- IS Software Foundations
- Object Oriented Application Development
- Software Engineering
- Enterprise Integration
- Usability Engineering
- IS Application Project
- Seminar on IS Management
- Data Management
- Process Modelling & Solution Blueprinting
- Information Security & Trust
- Architectural Analysis
- IS Depth Electives (4)

16 Courses

MANAGEMENT & 2ND MAJORS
- Business Oriented Electives (4)
- (Major-related courses offered by the other SMU Schools)

(Major-related courses offered by the other SMU Schools)

Additional Second Major Electives
- (Courses from the other SMU Schools or from SIS)

4 Courses for ISM Major (With +2 to +4 for 2nd major)

4 Courses for ISM Major (With +2 to +4 for 2nd major)

2 courses

QUANTITATIVE THINKING
- Computer as an Analysis Tool (CAT)
- Intro Statistics
- Computational Thinking (counted as a General Ed elective)

SMU BROAD-BASED
- SMU Foundation (3)
  - Academic writing
  - Intro economics
  - Calculus
- SMU Common University Core (6)
  - Analytic Skills (1/2)
  - Creative Thinking (1/2)
  - Biz, Gov & Society
  - Management Comm.
  - Ethics and SR
  - Tech & World Change
  - Leadership & Team Building
- General Education (3)
  - GE elective #1, #2
  - Comp. Thinking for SIS
- Global & Regional Studies (2)
  - Elective 1
  - Elective 2

14 Courses

Internship: at least 10 weeks continuously
Community Service: at least 80 hours
Second Majors for BSc (ISM) students

2nd Majors Offered
- School of Information Systems
- School of Accountancy
- Lee Kong Chian School of Business
- School of Economics
- School of Law
- School of Social Sciences

advanced business technology

accounting actuarial science business statistics

corporate comm. economics finance law

management marketing operations mgmt.

political science psychology quantitative finance sociology
< back

BSc(ISM) Second
-major

IT's never complete without IT
ADV. BUSINESS
TECHNOLOGY

ABT
without Track
ABT
Service Systems & Solutions Track
ABT
Enterprise Systems & Solutions Track
ABT
Business Intelligence & Analytics Track
ABT
Banking Processes & Technology Track
ABT
Technopreneurship Track
“SIS is an environment that promotes a robust, independent learning process ... we have developed a thirst to learn more beyond our academic requirements...”

Jenzus HSU (Year 2)
How our SIS students learn ...
How our SIS students learn...
The Web of Learning for the BSc (ISM) curriculum

Learning Activities

- Clubs, service work, volunteering
- Coursework in other SMU schools
- Coursework in SIS
- SIS enrichment courses
- SIS Internships
- SIS “Final Year Project”
- SIS Research Projects
- SIS Entrepreneuring

Learning Settings and/or Partners

- SMU and City Campus
- Industry & Government People, Organizations
- SIS Faculty & Instructors
- Other BSc (ISM) students
- SMU/SIS Research Centres & Labs

Learning Activities and/or Partners

- SMU/SIS Faculty & Instructors
- SIS Research Projects
- SIS Internships
- Coursework in SMU schools
- Clubs, service work, volunteering
- SIS “Final Year Project”
- SIS Entrepreneuring
- SMU and City Campus
- Industry & Government People, Organizations
Avail yourself to amazing internship opportunities. See the latest examples of internships completed by SIS students at http://www.sis.smu.edu.sg/programme/BSc/internships-experiences.asp

These internship opportunities are invaluable in helping you explore your career interests and in giving you the necessary experience and advantage for your future employment!
Internship example: IT Security Group of VISA
Internship example: Local Delivery Company

ACCOMPLISHMENTS

1. The B.I.G Card
   - Framework
   - Internal SOP
   - Database Architecture
2. The Singapore Prestige Brand Awards Proposal (An iPad application)
3. Network Courier In-House Magazine

LESSONS LEARNED

1. A new programming language - Objective C
2. Learning to work under a fast paced & highly independent environment
3. A unique experience working in an innovative SME
Internship example: IT Risk Consulting at ‘Big 4’ Accounting Firm

To find out more about the wide range of industries and job roles in which our BSc (IS Management) students have served their Internships, please visit:

IS Application Project

www.sis.smu.edu.sg/programme/project_examples/index.asp
Application project example:
Digital Wallet App for Bank
This project intends to complement IDS’s current internal portal, by developing a geospatial-enabled system that provides visualization and analysis function.

The objective is to provide multi-dimensional and multi-granularity views of the data based on an interactive and dynamic map platform.

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**About IDS**

IDS is a B2B integrated distribution and logistics services provider. It is based in Hong Kong and has established extensive logistics and distribution network all over China, ASEAN, US and UK.

They currently have over 400 customers such as Nike, Timberland, Kellogg’s, L’Oreal and J&J.

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**Team B.I.JOE**

The team that makes all these possible...

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**GEOSPATIAL DASHBOARD**

Visualization | Analysis | Spatially | Temporally | Data | Interactive | Dynamic | Multi-Dimensional

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**Technologies**

Hard Skills:
- Flex Programming
- Handling of massive data
- Analysis of user experience pertaining to usability experience

Soft Skills:
- Project management in terms of client management
- Mitigating both technical and non-technical risks
- Balancing user experience and technical requirements

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**Application Snippets**

Collaboration between: SMU, IDS

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**Application Project Example:** Global Supply Chain Company

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“if you guys intend to continue in this area, we may want to have a contract or recruit you guys as permanent!”

Mr. Nicholas Tan
Director IT Application, IDS
Application project example:
Non-profit Social Service Provider
A Neighborhood Wellness Portal > Aims to support a newly opened wellness centre, through a suite of web and mobile portal application modules.

A Patient Satisfaction Management Dashboard

The PSM will layout the main aspects of customer feedback and satisfaction for the organization in a visual and interactive manner.
Streamlining of the patient discharge process.

This not only simplifies the process of leaving the hospital for patients, it speeds up the hospital's ability to make beds available for patients waiting to be admitted.

Creation of better ways to track the patient's journey and waiting time through the Specialist Outpatient Clinics.

This enables the nurses and other outpatient clinic staff to better know the status of each patient's visit and to reduce waiting time for the patients.
WHYSIS?

IT'S THE WAY WE...

“At SIS, you’ll also grow to be an ambitious, motivated and eloquent leader; well positioned to take up opportunities and be highly sought after in the corporate world”

Jeff TAN (Year 1)
“… besides academic, I have to juggle well between other commitments and in order to do that, I will have to manage my time well! I have also made many great friends in SIS... It’s great to know that there are always people beside you supporting and fighting the battles with you!”

“… the school community is tight for we are a small school and this feeling of closeness is something unique to us, the SIS students”

WANG Hao Bo
(Year 1)

“We are a bunch of fun people and not the usual geeks perceived”

Zac Douglas XU (Year 2)

“SIS was tough and crazy at times. But it’s during these hardships that such strong bonds were formed”

Kelvin Tham
Graduate, Start-up/Tinker Box Pte Ltd
“I love SIS because it is where I learned to ‘learn-to-learn’. It is where I understood the real power of technology and how it could do wonders to people’s lives”
Daniel SOH (Year 4)

“In SIS, we learn project management skills, communication skills and also the interaction between Business and IT sector…”
Regine LOW (Year 2)

“... there are no other schools that are as friendly and bonded as SIS... With so much help and support from your peers, weathering the stormy seas of Information System modules will become a boat ride out in the park in no time”
Clarissa GOH (Year 1)
“SIS is one big family... our hospitality and warmth does not only stop at SIS but spreads out to everyone else who has had the opportunity to know us.

Jaryll TJIOE Hong Fei
(Year 2)
“Being in SIS is comparable to having a second family to work & play hard with. In SIS, you are never alone!”

William CHUNG (Year 1)
"The holistic experience at SIS enriches us to be all-rounded; shaping us to be individuals that companies are looking for..."

Priya PATHAK (Year 2)
Fantastic career opportunities and a wide range of career possibilities.
Expand Your Career Options
Beyond IT. Beyond Business as Usual.

Financial Services

Hospitality, Tourism & Entertainment

Supply Chain & Distribution

Infocomms & Media

Public Sector & e-Government

Healthcare Services

Business

We need more IS students!!
# Examples of BSc (ISM) Alumni Employment

<table>
<thead>
<tr>
<th>Company</th>
<th>Job title or job role</th>
</tr>
</thead>
<tbody>
<tr>
<td>A Developed World</td>
<td>- Co-Founder</td>
</tr>
<tr>
<td>Accenture</td>
<td>- Analyst</td>
</tr>
<tr>
<td></td>
<td>- Analyst, Consulting Workforce</td>
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<tr>
<td></td>
<td>- Analyst, Global Technology Consulting Group</td>
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<tr>
<td></td>
<td>- Analyst, Strategy Consulting</td>
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<tr>
<td></td>
<td>- Analyst, Systems Integration and Technology, Consulting</td>
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<tr>
<td></td>
<td>- Consultant, SAP</td>
</tr>
<tr>
<td></td>
<td>- Consulting Analyst, Systems Integration &amp; Technology</td>
</tr>
<tr>
<td></td>
<td>- Graduate Trainee</td>
</tr>
<tr>
<td></td>
<td>- IT Consultant</td>
</tr>
<tr>
<td></td>
<td>- Management Consulting</td>
</tr>
<tr>
<td></td>
<td>- System Integration and Technology Consulting Analyst</td>
</tr>
<tr>
<td>Alliance SPEC Pte Ltd</td>
<td>- Software Test Analyst</td>
</tr>
<tr>
<td>APPCO Group</td>
<td>- Sales &amp; Marketing Manager</td>
</tr>
<tr>
<td>Apple</td>
<td>- Business Analyst</td>
</tr>
<tr>
<td>Arkema Pte Ltd</td>
<td>- ERP Project Manager (Asia Pacific)</td>
</tr>
<tr>
<td>Ate Consulting</td>
<td>- Business Development Consultant</td>
</tr>
<tr>
<td>Bain &amp; Company</td>
<td>- Associate Consultant</td>
</tr>
<tr>
<td>Bank Julius Baer &amp; Co. Ltd</td>
<td>- Graduate Program</td>
</tr>
<tr>
<td>Bank of America Merrill Lynch</td>
<td>- Business Analyst</td>
</tr>
<tr>
<td></td>
<td>- IT Incident/Problem Management Analyst, Service Assurance</td>
</tr>
<tr>
<td></td>
<td>- Officer, Enterprise Technology &amp; Delivery - Asia Pacific</td>
</tr>
<tr>
<td></td>
<td>- Technology Analyst, Enterprise Change, Technology &amp; Operations - Asia Pacific</td>
</tr>
<tr>
<td></td>
<td>- Technology Associate</td>
</tr>
<tr>
<td>Bank of China</td>
<td>- Accounts Division</td>
</tr>
</tbody>
</table>
## Examples of BSc (ISM) Alumni Employment

<table>
<thead>
<tr>
<th>Company</th>
<th>Role/Position</th>
</tr>
</thead>
<tbody>
<tr>
<td>Bank of New York Mellon, Singapore Branch</td>
<td>Information Security Risk Specialist (Vice President)</td>
</tr>
<tr>
<td>Bezurk</td>
<td>Information Technology Designer &amp; Analyst</td>
</tr>
<tr>
<td>Bizzman Systems Pte Ltd</td>
<td>Solutions Developer</td>
</tr>
<tr>
<td>Bloomberg</td>
<td>IT Engineer, Network Design and Information Systems</td>
</tr>
<tr>
<td>Blue Interactive Marketing</td>
<td>Digital Media Specialist</td>
</tr>
<tr>
<td>BNP Paribas</td>
<td>Corporate Sales</td>
</tr>
<tr>
<td>Bob Low &amp; Co</td>
<td>Audit Assistant, Audit</td>
</tr>
<tr>
<td>BookInBookQut</td>
<td>Founder</td>
</tr>
<tr>
<td>BT Frontline</td>
<td>Technical Consultant</td>
</tr>
<tr>
<td>Bunge</td>
<td>Management Trainee</td>
</tr>
<tr>
<td>Cable&amp;Wireless, Worldwide</td>
<td>Business Analyst, Service Delivery - Global</td>
</tr>
<tr>
<td>Caldenonian Pacific Pte Ltd</td>
<td>Sale and Purchase</td>
</tr>
<tr>
<td>Caprice Holdings Pte Ltd</td>
<td>Marketing Manager, Marketing</td>
</tr>
</tbody>
</table>

Visit [http://www.sis.smu.edu.sg/programme/BSc/companies.asp](http://www.sis.smu.edu.sg/programme/BSc/companies.asp) to find out what other companies have employed our BSc (ISM) graduates!
By the way...
Do you know that SIS graduates are rated as being the highest paid among all graduates from all the local university programs?

<table>
<thead>
<tr>
<th>School</th>
<th>Degree</th>
<th>Overall Employment Rate (%)</th>
<th>Full-Time Permanent Employment Rate (%)</th>
<th>Gross Monthly Salary ($)</th>
</tr>
</thead>
<tbody>
<tr>
<td>SMU</td>
<td>School of Information Systems</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Information Systems Management</td>
<td>100</td>
<td>93.0</td>
<td>3,474</td>
</tr>
<tr>
<td></td>
<td>• 4-year programme</td>
<td>100</td>
<td>93.0</td>
<td>3,100</td>
</tr>
<tr>
<td></td>
<td>• Cum Laude and above</td>
<td>100</td>
<td>95.0</td>
<td>4,547</td>
</tr>
<tr>
<td>NUS</td>
<td>School of Computing</td>
<td>100</td>
<td>92.9</td>
<td>3,289</td>
</tr>
<tr>
<td></td>
<td>• Computer Science</td>
<td></td>
<td></td>
<td>3,000</td>
</tr>
<tr>
<td>NTU</td>
<td>College of Engineering</td>
<td></td>
<td></td>
<td>2,800</td>
</tr>
<tr>
<td></td>
<td>• Computer Science</td>
<td></td>
<td></td>
<td>3,400</td>
</tr>
</tbody>
</table>

http://www.sis.smu.edu.sg/programme/BSc/GES-2010.pdf
We are also the highest paid among all the Schools within SMU!

<table>
<thead>
<tr>
<th>Degree</th>
<th>Overall Employment (%)</th>
<th>Full-Time Permanent Employment (%)</th>
<th>Mean</th>
<th>Median</th>
<th>25th Percentile</th>
<th>75th Percentile</th>
</tr>
</thead>
<tbody>
<tr>
<td>School of Accountancy</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Accountancy (4-yr programme)</td>
<td>100</td>
<td>97.9</td>
<td>3,162</td>
<td>2,650</td>
<td>2,600</td>
<td>3,500</td>
</tr>
<tr>
<td>- Cum Laude and above</td>
<td>100</td>
<td>95.8</td>
<td>3,625</td>
<td>3,000</td>
<td>2,600</td>
<td>3,800</td>
</tr>
<tr>
<td>School of Business</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Business Management (4-yr programme)</td>
<td>99.7</td>
<td>90.7</td>
<td>3,292</td>
<td>3,000</td>
<td>2,550</td>
<td>3,500</td>
</tr>
<tr>
<td>- Cum Laude and above</td>
<td>100</td>
<td>94.1</td>
<td>3,750</td>
<td>3,400</td>
<td>2,800</td>
<td>4,000</td>
</tr>
<tr>
<td>School of Economics</td>
<td></td>
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<td></td>
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<tr>
<td>Economics (4-yr programme)</td>
<td>100</td>
<td>90.2</td>
<td>3,429</td>
<td>3,100</td>
<td>2,650</td>
<td>3,700</td>
</tr>
<tr>
<td>- Cum Laude and above</td>
<td>100</td>
<td>95.0</td>
<td>3,579</td>
<td>3,300</td>
<td>2,800</td>
<td>3,700</td>
</tr>
<tr>
<td>School of Information Systems</td>
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<td></td>
<td></td>
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<tr>
<td>Information Systems Management</td>
<td></td>
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<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Systems Management (4-yr programme)</td>
<td>100</td>
<td>93.0</td>
<td>3,474</td>
<td>3,100</td>
<td>2,650</td>
<td>4,000</td>
</tr>
<tr>
<td>- Cum Laude and above</td>
<td>100</td>
<td>95.0</td>
<td>4,547</td>
<td>4,350</td>
<td>3,500</td>
<td>4,950</td>
</tr>
<tr>
<td>School of Social Sciences</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Social Sciences (4-yr programme)</td>
<td>100</td>
<td>90.5</td>
<td>2,824</td>
<td>2,675</td>
<td>2,400</td>
<td>3,200</td>
</tr>
<tr>
<td>- Cum Laude and above</td>
<td>100</td>
<td>93.3</td>
<td>3,479</td>
<td>3,250</td>
<td>3,200</td>
<td>3,875</td>
</tr>
</tbody>
</table>

Source: Graduate Employment Survey conducted by SMU
Grads’ starting pay back to pre-crisis levels

Starting salaries for university and polytechnic graduates have returned to pre-recession levels, according to the Manpower Ministry’s latest annual report on wages.

A university graduate who entered the job market last year drew a starting salary that was, on average, higher than his counterpart from a year earlier — and those who graduated in 2008 just before the recession hit.

These higher trends in starting salaries are the result of the improved economic climate here, say the universities and polytechnics.

Their data on starting salaries — from their own surveys — was compiled by the ministry and included in its report released yesterday.

The data in the report showed that Institute of Technical Education (ITE) graduates last year also earned more than their seniors who graduated in 2009.

But their salaries were marginally lower, on average, than the cohort who entered the workforce in 2008.

The ministry’s report found that among those in four-year degree programmes, information systems management graduates from the Singapore Management University (SMU) commanded the highest average starting salary of $3,474 last year.

They were followed by SMU economics graduates at $3,430; and Nanyang Technological University (NTU) computer science graduates at $3,385.

At the other end of the scale were National University of Singapore engineering science graduates ($2,571); NTU fine arts graduates ($2,631); and NTU English graduates ($2,615).

For ITE graduates, the highest average starting salary was $1,963 for male Integrated Logistics Management Higher Nitec certificate holders who had completed national service.

Poly graduates had the highest employment rates last year. It was 95.4 per cent for males who did their NS after graduating; and 91.3 per cent for fresh graduates, including females and a minority of males who had completed NS before undergoing their courses.

Cai Haoxiang
School of Information Systems
Visit us at www.sis.smu.edu.sg

Prospective Students
- BSc (IS Management)
- Master of IT in Business
- PhD/MSc in Information Systems

SIS Continuing Education & Training Programmes

For SIS Alumni

BSc (Information Systems Management)