Information systems (IS) is the study of planning, project management, business process analysis, design and maintenance of business IS within the modern organisation. IS and information technologies (IT) are vital competitive enablers for all organisations. Our programs of study highlight how IS are planned, analysed, designed, implemented and managed within business and society at large. The main focus of the IS discipline is the interaction between business management, business IS and IT and the types of people who help facilitate the interaction.

**IS graduates are primarily employed in:**

**Business services**
There are a diverse range of business service careers which are in high demand from employers. Areas to choose from include: business analysis; project management; data administration; IS security consulting; IS applications development; helpdesk support; knowledge management; e-business systems management and business intelligence systems.

**Technical services**
Organisations also place high demand on graduates who understand the technical issues which surround and impact their business IS. There are a wide range of technical service careers in areas such as: communications network analysis and development; IS security development; e-business systems development; business intelligence systems construction and IS and IT architecture and infrastructure development and maintenance. Students can combine IS study with other commerce disciplines such as accounting, marketing, actuarial studies, economics, business law & taxation, banking & finance or organisation & management.

"Studying at UNSW has enabled me to take a proactive, energetic approach to my new role. My degree has enabled me to attain a wealth of technical and business knowledge articulated by quality academic staff who enhance the university experience by adding their own inspiring insights and perspectives. Such an enlightening approach has given me great confidence in my abilities to deliver true and valuable risk management solutions to corporate clients.

My time at UNSW has fostered improvement in many core skill areas. While exercises involving problem solving have enhanced my critical thinking and reasoning abilities and analytical capabilities; my communication and networking skills have been developed by partaking in various competitions, and becoming a member of a variety of student clubs and societies."

Karen Yee, (BSc (Information Systems) Honours ’05)
Consultant, Ernst & Young
Program structure
The School offers the following degree programs majoring in Information Systems (IS):
- Bachelor of Commerce
- Bachelor of Science
- Bachelor of Economics
- UNSW Co-op Scholarship Programs - ISM (Information Systems and Management)
  OR BIT (Business Information Technology)

Plus combined degrees with Law, Arts, Social Science, Science and Engineering.

Students who undertake an IS specialisation take 4 core courses in the BCom and 8 core courses in the BSc which provide the specialist knowledge on which to build their skills.

Sample program
BCom with Single Major

**Year 1**
- Accounting and Financial Management 1A (ACCT1501)
- Accounting and Financial Management 1B (ACCT1511)
- Microeconomics 1 (ECON1101)
- Macroeconomics 1 (ECON1102)
- Quantitative Methods A (ECON1202)
- Quantitative Methods B (ECON1203)
- Information Systems in Business (INFS1602)
- Business Data Management (INFS1603)

**Year 2**
- System Analysis and Design 1 (INFS2603)
- Information Systems Project Management (INFS2848)
- 6 Elective courses
- General Education course(s)

**Year 3**
- 8 Elective courses
- General Education course(s)

**Elective Courses**
- Infrastructure and Security (INFS2607)
- Systems Delivery and Implementation (INFS2609)
- Systems Analysis & Design 2 (INFS2611)
- Supporting Business Operations (INFS2685)
- Supporting Business Management (INFS3604)
- Project Workshop (INFS3605)
- Data and Information Management (INFS3608)
- Business Systems Security (INFS3774)
- Business Systems Auditing (INFS3805)

Sample program
BSc with Single Major

**Year 1**
- Accounting & Financial Mgt 1A (ACCT1501)
- Accounting & Financial Mgt 1B (ACCT1511)
- Computing 1 (COMP1911)
- Data Structures and Algorithms (COMP1921)
- Information Systems in Business (INFS1602)
- Business Data Management (INFS1603)
- Mathematics 1A (MATH1131), OR
  Higher Mathematics 1A (MATH1141)
- Mathematics 1B (MATH1231), OR
  Higher Mathematics 1B (MATH1241)

**Year 2**
- Systems Analysis and Design 1 (INFS2603)
- Infrastructure and Security (INFS2607)
- Systems Delivery and Implementation (INFS2609)
- Theory of Statistics (MATH2801), OR
  Applied Statistics (MATH2841)
- 2 Elective Courses
- General Education course(s)
- 1 Commerce Elective course chosen from:
  Actuarial Studies and Commerce (ACTL1001)
  Microeconomics 1 (ECON1101)
  Information Technology Law (LEGIT271)
  Managing People (MGMT2721)

**Year 3**
- Systems Analysis & Design 2 (INFS2611)
- Project Workshop (INFS3605)
- Data and Information Management (INFS3608)
- 3 Elective INFS courses
- 2 Elective courses
- General Education course(s)

**Elective Courses**
- Supporting Business Operations (INFS2685)
- Information Systems Project Management (INFS2848)
- Supporting Business Management (INFS3604)
- Business Systems Security (INFS3774)
- Business Systems Auditing (INFS3805)
School of Information Systems, Technology and Management

The School of Information Systems, Technology and Management is a well-established school with an international reputation. The School’s research is positioned at the forefront of the discipline and it has well developed local and international links to leading business and research institutions. This ensures that our degree programs are of the highest quality and are the most advanced and exciting in Australia.

Key features

- All courses and programs have been designed in collaboration with industry sponsors to meet market demands.
- All programs have Australian Computer Society accreditation.
- Programs have been designed, with careers in mind, by academic staff who are internationally recognised leaders in their areas of expertise.
- A 4th year Honours research option is available to students who meet academic requirements.

Further information

More information can be found on the School of Information Systems, Technology and Management website:
www.sisim.unsw.edu.au

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Or for further information on Commerce and Economics degrees contact:
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Faculty of Commerce and Economics
The University of New South Wales
UNSW Sydney NSW 2052 Australia
Telephone: +61 (2) 9385 3189
Facsimile: +61 (2) 9385 7767
Email: cenfo@unsw.edu.au
Website: www.fce.unsw.edu.au