

School of Computer Science and Information Technology

POSTGRADUATE

MASTER OF TECHNOLOGY (ENTERPRISE ARCHITECTURE) (MC152)



MASTERS

1.5 years full time / 3 years part time (12 courses). Program code MC152.

GRADUATE DIPLOMA

1 year full time / 2 years part time (8 courses). The graduate diploma may be taken as an exit point for the Master's program.

ARTICULATION

Exemptions are available to students with appropriate work experience and knowledge.

APPLICATION & ENTRY DATES

A curriculum vitae should accompany the application form, available from www.rmit.edu.au/csit/enterprise. New students can commence in semester 1, 2006 which commences 20th February. Applications for first round offers should be sent to the School by the 10th November. Round 2 offers will be made subject to places being available and students can apply for these up until the 20th January 2006. Semester 2 commences on the 10 July 2006 and applications will be accepted up until the 31st of May.

• International Students:

This program is pending approval for international student intake. Please contact intadmin@cs.rmit.edu.au for details. Part-time study is not available for international students.

FEES & DISCOUNTS

The cost per course (subject) for local students in 2006 is \$2010. A substantial fee reduction of \$250 per subject is available to prospective students working in industry or those who are RMIT alumni through the Alumni Loyalty and Corporate Partner Programs. These programs are available to those who apply for entry in 2006. For further information visit www.rmit.edu.au/csit/scholarships

For further information, please contact:
School of Computer Science & IT
Ph: 03 9925 2348
Email: pgadmin@cs.rmit.edu.au
OR
Program Leader
Keith Frampton
keithf@cs.rmit.edu.au

MASTER OF ENTERPRISE ARCHITECTURE

► MC152

RMIT's School of Computer Science & Information Technology (CSIT) understands the growing importance of aligning business goals with ICT strategy. In response to a growing demand and shortage for skilled Enterprise Architects, RMIT, working closely with Australia's leading Enterprise Architects and members of our Industry Advisory Committee, has developed this exciting new program.

This high-level postgraduate by coursework program has been designed for ICT professionals wishing to advance their career and shape the further usage of IT.

An enterprise architecture is an overall framework and strategic objective for the usage of technology over time across an organisation. It provides a plan and objectives that align business goals with ICT strategy, to enable the organisation to make the most effective use of ICT to support and build the business. This program is intended for ICT professionals with three to five years experience in software development or ICT management who wish to advance their career to the role of Enterprise Architect within an organisation.

PROGRAM STRUCTURE

The program structure integrates business and technical IT capabilities and knowledge by including courses (subjects) from RMIT's School of Computer Science & IT and the School of Business Information Technology.

The key courses Systems Architecture, Enterprise Architecture, and IT Governance & Change Management build on the foundation courses and CSIT electives. They form the basis for the capstone course, Enterprise Architecture Case Studies, where you will interact with practicing enterprise architects and work in teams, bringing together your acquired abilities and skills to develop solutions to realistic problems.

ACQUIRED CAPABILITIES

This program was developed to ensure that its graduates acquire the set of capabilities that will be most useful to industry.

The overall purpose of this program is to enable you to:

- architect cost-effective Enterprise IT architectures and systems, drawing on an understanding of business strategy, to help to achieve the business goals of the Enterprise;
- develop and maintain an enterprise architecture for an organisation, taking into account its strategic plan, current IT portfolio, and key business and ICT industry drivers and technologies, including hardware and software standards;
- communicate and market an enterprise architecture to the organisation and oversee its implementation, including being able to communicate to both IT and business audiences how an enterprise architecture supports the organisation's strategic IT objectives and plans.
- develop the required governance for successful enterprise architecture development and adoption within organisations to support business & technology strategy.

ENTRY REQUIREMENTS

Applicants should have a tertiary qualification in computer science, information technology or software engineering, plus at least three years experience as a software systems analyst and/or developer, and/or experience in a lead role architecting and implementing major IT systems for business. Applicants without a suitable tertiary qualification should have at least five years experience as a software systems analyst, designer, architect and/or project manager. Applicants should attach a current curriculum vitae to their application. All applicants will be interviewed as part of the selection process, to ascertain the relevance of their work experience.

PROGRAM COMPONENTS	COURSES
Four compulsory foundation courses will enable students who have learned how to build software systems “on the job” to formalise their understanding of the fundamental concepts of software development, and will provide an understanding of IT business strategy to students from a mostly-technical background.	ISYS1117 Software Engineering Analysis & Design ISYS1055 Introduction to Database Systems COSC1295 Java for Programmers INTE1030 IT Strategy.
One elective from Group A (application of CS&IT foundation courses) provides additional context for the Group C electives and key CS&IT courses.	COSC2106 Document Markup Languages COSC2229 Electronic Commerce & Enterprise Systems COSC2277 Web Development Technologies
One elective from Group B (BIT courses) adds to your understanding of business organisation and goals.	BUSM2112 Business Background INTE1014 IT Industry ISYS1033 Introduction to IT Project Mgmt INTE1214 e-Business Models and Trends
Two electives from Group C (advanced CS&IT courses) expose you to more advanced concepts in software systems development, providing additional context for the key CS&IT courses.	COSC1168 Internet and Intranet Document Engineering COSC1182 Usability Engineering COSC2275 Software Requirements Engineering COSC2279 Web Services ISYS1081 Software Reuse ISYS1085 Software Testing
The key courses Systems Architecture, Enterprise Architecture, and IT Governance & Change Management build on the foundation courses and CS&IT electives. They form the basis for the capstone course Enterprise Architecture Case Studies, where you will interact with practicing enterprise architects and work in teams, bringing together your acquired abilities and skills to develop solutions to realistic problems.	ISYS1088 Systems Architecture ISYS2377 Enterprise Architecture INTE2412 IT Governance & Change Management ISYS2379 Enterprise Architecture Case Studies

► PROGRAM STRUCTURE

Year Level	Semester	Credit Points	Individual blocks represent credit point courses:	
1	February	24	ISYS1117	ISYS1055
	July	24	COSSC1295	INTE1030
2	February	24	ISYS1088	Group A elective
	July	24	INTE2412	Group B elective
3	February	24	ISYS2377	Group C elective
	July	24	ISYS2379	Group C elective

► SAMPLE PROGRAM STRUCTURE FOR PART-TIME STUDY

Year Level	Semester	Credit Points	Individual blocks represent credit point courses:			
1	July	48	ISYS1055	ISYS1117	COSC1295	INTE1030
	February	48	ISYS1088	ISYS2377	Group A elective	Group B elective
2	July	48	INTE2412	ISYS2379	Group C elective	Group C elective

► SAMPLE PROGRAM STRUCTURE FOR FULL TIME STUDY

(must commence in July semester)

School of Computer Science and Information Technology

More detailed information on programs can be found at www.rmit.edu.au/csit/pgrad

LOCAL STUDENT APPLICATIONS ▶ (03) 9925 2348 ▶ pgadmin@cs.rmit.edu.au

INTERNATIONAL STUDENT APPLICATIONS ▶ intadmin@cs.rmit.edu.au

