

## Program Guide

### Master of Technology (Enterprise Architecture)

#### 1. Program Details

Title	Master of Technology (Enterprise Architecture), incorporating Graduate Diploma in Enterprise Architecture
Abbreviation	M Tech (Enterprise Architect) G Dip Enterprise Architect
RMIT Program Code	MC152 GD160
Credit Points	144 96
Career	Postgraduate
Duration/length	3 semesters full-time; 6 semesters part-time 2 sem full-time; 4 sem part-time
Campuses	City
Location	Onshore
Owning School	140H Computer Science & Information Technology <a href="http://www.rmit.edu.au/csit">http://www.rmit.edu.au/csit</a>
Partnered offering / corporate client	N/A
ASCED code:	020305
CRICOS code:	055773M 055772A
Proposed Introduction	2008 semester 1
Contact Details	Dr Jenny Zhang <a href="http://www.rmit.edu.au/staff/zhang">http://www.rmit.edu.au/staff/zhang</a>

## 2. Plan Details

### Plan 1

RMIT Plan Code	MC152
Title	Master of Technology (Enterprise Architecture)
Award Title	Master of Technology (Enterprise Architecture)
ASCED code:	020305
CRICOS code:	055773M

### Plan 2

RMIT Plan Code	GD160
Title	Graduate Diploma in Enterprise Architecture
Award Title	Graduate Diploma in Enterprise Architecture
ASCED code:	020305
CRICOS code:	055772A

## 3. Program Map

### Program Progression Rules

- You must complete ISYS1117 and COSC1295 before attempting ISYS1088.
- You must complete COSC2275 before attempting ISYS2377.
- You must complete ISYS1088 before attempting ISYS2377, or attempt it concurrently.
- You must complete Ent Arch before attempting Ent Arch Case Studies
- You must complete INTE1030 IT Strategy before attempting INTE2412 IT Gov & Change Mgmt, or attempt it concurrently.
- You must complete IT Gov & Change Mgmt before attempting Ent Arch Case Studies, or attempt it concurrently.
- You may attempt an elective at any time, provided you satisfy its prerequisites.
- You must complete COSC1295 before attempting COSC2229 or COSC2277.
- You must complete ISYS1055 and COSC1295 before attempting COSC2106 or INTE1070.

Because this program is mostly done in part-time mode, and many students qualify for recognition of prior learning, it is not useful to present the program map in terms of semesters or years. Instead, the program structure below shows the types and numbers of courses that you should complete or select.

## MC152 Master of Technology (Enterprise Architecture)

### Foundation Courses

Total Credit Points = 48

Complete These Four (4) 12-Credit-Point Courses:			
Subject Area	Catalogue Number	Course Title	Prerequisites
ISYS	1117	Software Engineering Fundamentals	Unix Survival Skills; corequisite COSC1321
ISYS	1055	Database Concepts	Unix Survival Skills
COSC	1295	Java for Programmers	COSC1321; ISYS1117
INTE	1030	IT Strategy	IT industry experience

### Key Courses

Total Credit Points = 60

Complete These Five (5) 12-Credit-Point Courses:			
Subject Area	Catalogue Number	Course Title	Prerequisites
COSC	2275	Software Requirements Engineering	ISYS1117, programming
ISYS	1088	Systems Architecture	ISYS1117, programming
ISYS	2377	Enterprise Architecture	COSC2275; corequisite ISYS1088
INTE	2412	IT Governance & Change Management	INTE1030
ISYS	2379	Enterprise Architecture Case Studies	ISYS2377; corequisite INTE2412

### Elective Courses

Total Credit Points = 36

Complete Three (3) 12-Credit-Point Courses from:			
Subject Area	Catalogue Number	Course Title	Prerequisites
COSC	2106	Document Markup Languages	COSC1295
COSC	2354	Electronic Commerce & Enterprise Systems	COSC1295
INTE	1070	Secure Electronic Commerce	COSC1295
COSC	2277	Web Development Technologies	ISYS1055; COSC1295
BUSM	2112	Business Background	None
INTE	1014	IT Industry	IT industry experience
ISYS	1033	IT Project Management	IT industry experience
INTE	1214	e-Business Models and Trends	IT industry experience
ISYS	2040	Usability Analysis	??
ISYS	1085	Software Testing	ISYS1117, COSC1295
ISYS	1081	Software Reuse	ISYS1117, COSC1295
COSC	1182	Usability Engineering	ISYS1117, programming

COSC	1168	Internet & Intranet Document Engineering	ISYS1055, COSC2106
COSC	2279	Web Services	ISYS1055; COSC1295
ISYS	2404	Software Engineering for Large Scale Systems	good knowledge of finite state machines and common software patterns
BAFI	1059	Corporate Finance	None
BUSM	1544	Emergent Leadership and Organisational Transformation	one course relevant to leadership and organisations
BUSM	1174	Leading and Managing Change	None

## GD160 Graduate Diploma in Enterprise Architecture

### Foundation Courses

Total Credit Points = 36

Complete At Least Three (3) 12-Credit-Point Courses From:			
Subject Area	Catalogue Number	Course Title	Prerequisites
ISYS	1117	Software Engineering Fundamentals	Unix Survival Skills; corequisite COSC1321
ISYS	1055	Database Concepts	Unix Survival Skills
COSC	1295	Java for Programmers	COSC1321; ISYS1117
INTE	1030	IT Strategy	IT industry experience

### Key Courses

Total Credit Points = 36

Complete These Three (3) 12-Credit-Point Courses:			
Subject Area	Catalogue Number	Course Title	Prerequisites
COSC	2275	Software Requirements Engineering	ISYS1117, programming
ISYS	1088	Systems Architecture	ISYS1117, programming
ISYS	2377	Enterprise Architecture	COSC2275; corequisite ISYS1088

### Elective Courses

Total Credit Points = 24

Complete At Most Two (2) 12-Credit-Point Courses from:			
Subject Area	Catalogue Number	Course Title	Prerequisites
COSC	2106	Document Markup Languages	COSC1295
COSC	2354	Electronic Commerce & Enterprise Systems	COSC1295
INTE	1070	Secure Electronic Commerce	COSC1295
COSC	2277	Web Development Technologies	ISYS1055; COSC1295
BUSM	2112	Business Background	None
INTE	1014	IT Industry	IT industry experience
ISYS	1033	IT Project Management	IT industry experience
INTE	1214	e-Business Models and Trends	IT industry experience
ISYS	2040	Usability Analysis	??
ISYS	1085	Software Testing	ISYS1117, COSC1295
ISYS	1081	Software Reuse	ISYS1117, COSC1295
COSC	1182	Usability Engineering	ISYS1117, programming
COSC	1168	Internet & Intranet Document Engineering	ISYS1055, COSC2106
COSC	2279	Web Services	ISYS1055;

			COSC1295
ISYS	2404	Software Engineering for Large Scale Systems	good knowledge of finite state machines and common software patterns
BAFI	1059	Corporate Finance	None
BUSM	1544	Emergent Leadership and Organisational Transformation	one course relevant to leadership and organisations
BUSM	1174	Leading and Managing Change	None

#### 4. External Accreditation and Industry Links

Graduates of this program are eligible for membership at professional level of the Australian Computer Society.

This program was developed after extensive consultation with companies represented on the school's Industry Advisory Committee and other Australian and international organizations, to ensure that its graduates acquire the set of capabilities that will be most useful to industry.

IT industry professionals are involved in teaching many courses, including the key courses Software Requirements Engineering, Systems Architecture, Enterprise Architecture, and IT Governance & Change Management. The key courses form the basis for the capstone course Enterprise Architecture Case Studies, where you will interact with practising enterprise architects and work in teams, bringing together your acquired abilities and skills to develop solutions to realistic problems.

#### 5. Objectives of the Program

The overall purpose of the Masters program is to develop the knowledge and skills essential for the role of enterprise architect, that 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 organization, 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 organization and oversee its implementation, including being able to communicate, to both IT and business audiences, how an enterprise architecture supports the organization's strategic IT objectives and plans;
- develop the required governance for successful enterprise architecture development and adoption within organizations to support business & technology strategy.

The Graduate Diploma in Enterprise Architecture is available if you require less depth, or if you choose to exit the Masters program after eight courses. This program contains only three foundation courses and two electives, and only Software Requirements Engineering, Systems Architecture and Enterprise Architecture from the key courses. The capabilities developed by the Graduate Diploma are consequently less comprehensive than those developed by the Masters program.

#### 6. Statement of capabilities

The capabilities developed by the Masters program are composed of the following dimensions:

##### Critical Analysis:

- Ability to analyse and model an enterprise's IT and business requirements and constraints for the purpose of enterprise architectures, IT governance structures and strategies for change
- Ability to evaluate and compare enterprise architectures, IT governance structures and strategies for change, on the basis of an enterprise's IT and business requirements and constraints

**Problem Solving:**

- Ability to design and implement enterprise architectures, IT governance structures and strategies for change that accommodate an enterprise's IT and business requirements and constraints

**Communication:** Upon completion of this program, you will be able to:

Effectively motivate and explain complex IT concepts, relevant alternatives and decision recommendations to both non-IT and IT specialists, via business and technical reports and/or oral presentations, including:

1. IT strategy, IT governance and change management issues
2. an IT governance structure and associated processes, and also required supporting change management initiatives
3. how an enterprise architecture supports an organization's strategic IT objectives and plans
4. suitable process documentation, models, evaluation frameworks, and presentation material for enterprise architectures, for all appropriate audiences.

The audiences for these communications will range from executives, and board members to newly hired graduates, and their expertise will range from extensive business capabilities to world-class technical skills.

**Teamwork:** Upon completion of this program, you will be able to:

- Work effectively in different roles, to form, manage, and successfully produce outcomes from teams whose members may have diverse cultural backgrounds and life circumstances, and differing levels of technical and/or business experience
- Recognise stakeholders in an organization's computing environment when developing and communicating enterprise architectures, and apply skills to develop appropriate interaction strategy.

**Responsibility:** Upon completion of this program, you will be able to:

- Effectively apply relevant standards, ethical considerations, and an understanding of legal issues to designing IT governance structures and change management strategies Effectively apply privacy and ethical considerations to evaluations, recommendations and decisions relating to enterprise architecture
- Effectively apply relevant standards and an understanding of legal issues relating to enterprise architecture to evaluations, recommendations and decisions relating to enterprise architecture

**Leadership:** Upon completion of this program, you will be able to:

- Lead small teams in the evaluation, production and communication of enterprise architectures, associated IT governance processes, and supporting change management activities

**Enabling Knowledge:** You will acquire all of the above capabilities using a foundation of relevant concepts and knowledge. This enabling knowledge is communicated in the program's courses as indicated below:

<b>Courses</b>	<b>Specific aspect developed</b>
ISYS1117, COSC1295	An object-oriented software engineering process, and how to apply it to develop a specified software system Experience with industry-standard methodologies and tools for analysing and modelling software system requirements, and implementing software systems in an object-oriented programming language Practice in following industry-standard templates for documenting the design and implementation processes Teamwork principles, team roles and dynamics, project planning techniques
ISYS1088	Theoretical and practical issues in systems architecture, and practical experience with methods for developing such architectures; introduction to enterprise architecture
INTE1030, ISYS1088, ISYS2377	Processes typically employed to produce effective alignment of IT and business strategies, including an understanding of business strategy and of how to architect cost-effective enterprise IT architectures and systems to help to achieve the business goals of the enterprise
ISYS2377	Enterprise architecture principles and models of different aspects of enterprise architecture processes and artefacts
INTE2412	IT governance issues and change management issues in relation to new IT governance structures, IT technology standards, new responsibilities and reporting lines
INTE1030, INTE2412,	Strategic planning frameworks and methodologies, and how to apply these to IT management problems, organizational roles, responsibilities and structure, and successful enterprise

## 7. An approach to Teaching and Learning (including a statement on assessment)

The learning activities included in this program are:

- Lectures or seminars, where key concepts will be explained: syllabus material will be presented and illustrated with demonstrations and examples;
- tutorials and group discussions (including online forums) focussed on projects and problem solving, that will provide practice in the application of theory and procedures, allow exploration of concepts with tutors and other students, and give feedback on your progress and understanding;
- written assignments consisting of case studies and other problems requiring an integrated understanding of the subject matter; and
- private study, working through the courses as presented in classes and learning materials, and gaining practice at solving conceptual and practical problems.

RMIT has a commitment to the principle of student-centred learning: that learning is most meaningful when topics are relevant to your life, needs, and interests and when learning activities actively engage you in creating, understanding, and connecting to knowledge<sup>1</sup>. The teaching and learning methods used in this program aim to implement student-centred learning by recognizing that your perceptions of the world are important and relevant, and encouraging you to actively participate in your learning, and to develop solutions in collaboration with your peers. Learning activities include practical exercises, case study analysis, oral presentations, technical and business reports, and individual and group project work. Some project work lets you draw on your external experience by including field research such as questionnaires or interviews of staff in your organization.

Lectures (some presented by industry experts) are used to convey some of the basic information necessary for each part of the various courses. Smaller tutorials or laboratory sessions are then used to explore the ideas raised in the lectures, or to give you hands-on experience of technologies. In tutorials, you will often work in a smaller group of about 5 students, to ensure there is real scope for genuinely interactive discussions. Most courses use carefully constructed case studies to illustrate key concepts and to help you develop your understanding. The case studies usually describe a particular technical or business problem and are often based on the personal research of the teaching staff, giving you the opportunity to see how the frontiers of ICT and business theory are being pushed ever outward. Often, you will be expected to perform literature reviews of, for example, relevant standards, ethical considerations, and applicable research.

Course materials (printed course notes, textbooks and reference books) are available from the RMIT Bookshop; the RMIT Library has copies of the books and also provides online access to electronic books and journals; course web pages contain links that let you download worksheets and assignment specifications, email teaching staff, and access message forums, as well as links to external course-related web sites. Lecturers provide additional suitably formatted electronic files and handouts to visually impaired students upon request.

### Specific to this program:

An enterprise architecture is a real-world, open problem. As an enterprise architect, you will be called upon to evaluate new cross-discipline situations, devise complex, creative solutions, and determine and implement the most appropriate solution. You must be able to go beyond the application of a fixed “toolset” to familiar, well-defined problems. Some courses in this program involve seminar-style discussions, where you present additional topics in the course material, and apply your knowledge of earlier topics to recognize underlying principles and potential applications of new topics. Many assignments require you to design or evaluate solutions for problems with complex or conflicting requirements, or to compare alternative solutions for such problems.

Learning activities in the four key courses are group-based, to reflect industry practice and to develop essential general graduate capabilities such as communication skills, teamwork and leadership. Tutorial exercises allow you to explore team dynamics, diagnostics, and management issues. Industry-based case studies are used extensively, to develop your ability to reflect on and analyse issues in the context of realistic scenarios. Most of these discussions are led by current industry practitioners and leaders.

Some courses are delivered in “burst-mode”, i.e., a small number of classroom sessions clustered into 4-5 short periods, combined with major independent individual and/or group project work. The capstone Enterprise Architecture Case Studies course, where you will interact with practising enterprise architects and senior industry

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<sup>1</sup> McCombs, B. and Whistler, J.S. (1997). *The Learner-Centered Classroom and School: Strategies for Increasing Student Motivation and Achievement*. San Francisco: Josey-Bass Publishers.

management while working in teams, bringing together your acquired abilities and skills to develop solutions to realistic problems, will be delivered in burst mode, to facilitate the participation of industry professionals as lecturers and examiners.

### **Assessment:**

The school views teaching and learning as a cyclic activity, with assessment and evaluation driving planning and teaching. Assessment is an integral part of learning: information derived from assessment activities is used to facilitate student learning and development, and to improve the quality of the school's programs, services and facilities. Assessment activities examine processes as well as products, and are designed to measure your work against standards, not against other students. As no one assessment can capture the full range of student learning and academic growth, courses use multiple assessments to evaluate what you know and are able to do and to inform adjustments to learning activities.

Assessment is developmental and continuous: that is, you have the opportunity to learn by building on what you already know and are able to do and to carry forward these skills and knowledge to expanded and more complex uses. To reflect industry practice in this area, as you progress through assessments at each level of the program, you are expected to demonstrate at increasingly higher levels of complexity and integration, the knowledge and capabilities set forth in the program standards.

**Formative assessment** progresses from tutorial exercises and self-test quizzes in foundation courses to participation in seminar discussions, moderated by the lecturer, in some elective courses, to seminar-style discussions in key courses, where you present additional topics in the course material, and apply your knowledge of earlier topics to recognize underlying principles and potential applications of new topics. The capstone Enterprise Architecture Case Studies course involves group meetings and discussions relating to assignments, and participation in case study sessions within groups and with key input and guidance from lecturers and industry experts. Tutorial exercises allow you to explore team dynamics, diagnostics, and management issues.

**Summative assessment** also becomes more demanding as you progress from foundation courses to electives and key courses:

- Foundation courses focus on key concepts and initial capability attainment: most assessment activities are based on individual skills and capabilities, and ask you to apply fixed "toolsets" to familiar, well-defined problems, to demonstrate that you have grasped the necessary technical foundations and relevant technologies;
- Elective courses require more complex, open problem-solving, with assignments that require you to design or evaluate solutions for problems with complex or conflicting requirements, or to compare alternative solutions for such problems. In most elective courses, assessment activities also emphasize additional graduate capabilities such as written communication, where you demonstrate that you can integrate concepts and arguments into technical or business reports, or literature reviews of relevant standards, ethical considerations, and applicable research. Some elective courses involve group-focussed assessment.
- Key courses assess you specifically on enterprise architecture knowledge and capabilities via case studies analyses and a capstone group project to bring it all together. Most assessment activities are group-based (to reflect industry practice and to develop essential general graduate capabilities such as communication skills, teamwork and leadership) with key industry-focussed projects/topics/capabilities and actual industry involvement in your assessment. Group presentations to classmates and teaching staff of outcomes from assessment activities, and to an industry panel of your major group project, allow you to demonstrate your mastery of the diverse cross-disciplinary concepts and skills by fielding questions "on your feet".

In order to be a lifelong learner, you must be able to evaluate your own work. To support this, some group work is peer-assessed, i.e., following criteria specified by the lecturer, or agreed upon by your class, you assess, and are assessed by, the other members of your group. This is in keeping with student-centred learning, and also helps to alleviate a major misgiving about group work - the possibility of some group members being "carried" by the other members.

Most courses in this program also require you to sit a written examination at the end of the semester, worth between 35% (key) and 60% (foundation) of your final result.

A **portfolio** is a collection of evidence that you prepare to demonstrate mastery, comprehension, application, and synthesis of this program's concepts. Many of the learning and assessment activities described in this and the previous section can contribute to your portfolio of evidence, in particular, your individual assignments, and your [journal of your] contributions to group activities (case study analyses, presentations, technical and business reports, and group project work).

## 8. Articulation and Pathways

Entry into this program is subject to the entrance requirements outlined in the previous section. The table below shows courses and maximum credit allowed if you are otherwise qualified to articulate.

Source Program	Owning school	Credit towards this program		Academic requirement for entry	Terms of entry (guaranteed place, merit, etc)	Date of agreement & expiry
		Courses	Time			
<b>GC038/39</b>	CSIT	ISYS1088		CR	12 credit points	N/a
		ISYS2377		CR	12 credit points	
		COSC1182, COSC2275, COSC2279, ISYS1081, ISYS1085		CR average	Maximum 24 credit points	
<b>MC062/60</b>	CSIT	ISYS1088		CR	12 credit points	N/a
		ISYS2377		CR	12 credit points	
		ISYS1117, ISYS1055, COSC1295		CR average	Maximum 36 credit points	
		COSC2106, COSC2229, COSC2277		CR	Maximum 12 credit points	
		COSC1182, COSC2275, COSC2279, ISYS1081, ISYS1085		CR average	Maximum 24 credit points	
<b>MC061/60</b>	CSIT	ISYS1088		CR	12 credit points	N/a
		ISYS2377		CR	12 credit points	
		COSC2106, COSC2229, COSC2277		CR	Maximum 12 credit points	
		COSC1182, COSC2275, COSC2279, ISYS1081, ISYS1085		CR average	Maximum 24 credit points	

Source Program	Owning school	Credit towards this program		Academic requirement for entry	Terms of entry (guaranteed place, merit, etc)	Date of agreement & expiry
		Courses	Time			
<b>GC038/39</b>	CSIT	ISYS1088, COSC1182, COSC2275, ISYS1081, ISYS1085, ISYS2377, ISYS2379		PA average	Guaranteed Maximum 48 credit points	N/a

<b>MC061/060</b>	CSIT	ISYS1088, COSC1168, COSC1182, COSC2275, COSC2279, ISYS1081, ISYS1085, ISYS2377, ISYS2379; COSC2106, COSC2229, COSC2277		CR average	Guaranteed Maximum 72 credit points	N/a
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## 9. Entrance requirements

Note: these are the entrance requirements for the Masters degree; the Graduate Diploma is an exit award only – you cannot apply for direct entry into the Graduate Diploma.

Either:

- Successful completion of a bachelor level degree in software engineering, computer science, or information technology plus at least 3 years of relevant industry experience in software systems design and/or development (not just programming)

Or:

- Relevant technical experience, e.g., as a programmer plus at least five years experience as a software systems analyst, designer, architect, and/or project manager

This program builds on an existing understanding of the design and development processes for business software systems. Applicants who have a tertiary qualification in computer science, information technology or software engineering should also have 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. Other applicants should have at least five years experience as a software systems analyst, designer, architect, and/or project manager. All applicants will be interviewed as part of the selection process, to ascertain the relevance of their work experience.

Applicants with suitable work experience in Java programming, database design, and/or software development may be exempted from one or more foundation courses. Applicants with substantial work experience in IT management and/or software development may be exempted from one or more elective courses. Applicants who completed GC110 or MC060/MC061/MC062 specialising in Software Engineering may be exempted from the foundation and Group C electives. At most six exemptions may be granted.

## 10. Library, IT and specialist resources

You will be able to access course information and learning materials through the Learning Hub (also known as online@RMIT) and the RMIT Library, and will be provided with copies of additional materials in class or via email. Lists of relevant reference texts, resources in the library and freely accessible Internet sites will be provided.

RMIT Library already holds or has ordered all prescribed and recommended books. A limited number of copies of books will be available from the Library; some may be available electronically via Safari Bookshelf or electronic journals. This program will be delivered only in on-campus mode.

No additional IT or specialist resources are required to support the new courses. You will use IT facilities within the school. Special software required, such as Rational Rose, is already licensed and installed.

## 11. Student expenses and charges in addition to fees

Expenses other than university tuition fees may be expected in relation to purchase of lecture notes, textbooks, stationery, consumables such as printer paper, fees levied by commercial internet service providers for internet access outside of the university campus, and other relevant costs.

## 12. Program Transition Plan

All students in all years of the program will be transferred to the new program structure as of semester 1 2008, as required by RMIT. Students with non-standard enrolments, later year entry students and articulants will be provided with individual course planning according to articulation agreements or university policy on exemptions or recognised prior learning. No student will be disadvantaged as a result of the transition process.

**Foundation Courses:** no change

### Elective and Key Courses:

If you have already received credit for COSC2275 Software Requirements Engineering as a Group C elective:

- COSC2275 will now count as a Key Course.
- If, in addition to COSC2275 Software Requirements Engineering, you have received credit for fewer than three [other] electives from Groups A, B and C, then you may select your remaining elective(s) from the combined and expanded list of Elective Courses.
- If, including COSC2275 Software Requirements Engineering, you have already received credit for four electives from Groups A, B and C, AND you wish to select additional electives from the combined and expanded list of Elective Courses, consult your program coordinator to discuss your options.

If you have not yet received credit for COSC2275 Software Requirements Engineering:

- If you have received credit for fewer than three electives from Groups A, B and C, then you may enrol in COSC2275 as a Key Course, and select your remaining elective(s) from the combined and expanded list of Elective Courses.
- If you have received credit for at most three electives from Groups A, B and C, then you may enrol in COSC2275 as a Key Course. If you wish to select additional electives from the combined and expanded list of Elective Courses, consult your program coordinator to discuss your options.
- If you have already received credit for four electives from Groups A, B and C, consult your program coordinator to discuss your options.

## 13. Course descriptions

Course Title	Course Coordinator	URL of Part A Course Guide
<b>Foundation Courses</b>		
Software Engineering Analysis & Design	Dale Stanbrough	<a href="http://www.rmit.edu.au/courses/004309">http://www.rmit.edu.au/courses/004309</a>
Database Concepts	Jenny Zhang	<a href="http://www.rmit.edu.au/courses/004083">http://www.rmit.edu.au/courses/004083</a>
Java for Programmers	Andy Song	<a href="http://www.rmit.edu.au/courses/004316">http://www.rmit.edu.au/courses/004316</a>
Information Technology Strategy	Alemayehu Molla	<a href="http://www.rmit.edu.au/courses/002796">http://www.rmit.edu.au/courses/002796</a>
<b>Elective Courses</b>		
Document Markup Languages	James Thom	<a href="http://www.rmit.edu.au/courses/029566">http://www.rmit.edu.au/courses/029566</a>
Electronic Commerce and Enterprise Systems	Caspar Ryan	<a href="http://www.rmit.edu.au/courses/014053">http://www.rmit.edu.au/courses/014053</a>
Web Development Technologies	Simon Wilkinson	<a href="http://www.rmit.edu.au/courses/035218">http://www.rmit.edu.au/courses/035218</a>
Secure Electronic Commerce	Ron van Schyndel	<a href="http://www.rmit.edu.au/courses/004178">http://www.rmit.edu.au/courses/004178</a>
Business Background	Paul Cerotti	<a href="http://www.rmit.edu.au/courses/002813">http://www.rmit.edu.au/courses/002813</a>
Information Technology Industry	tbc	<a href="http://www.rmit.edu.au/courses/002781">http://www.rmit.edu.au/courses/002781</a>
Information Technology Project Management	Ian Searle	<a href="http://www.rmit.edu.au/courses/013853">http://www.rmit.edu.au/courses/013853</a>
e-Business Models and Trends	Pradip Sarkar	<a href="http://www.rmit.edu.au/courses/013851">http://www.rmit.edu.au/courses/013851</a>
Business Intelligence	Barry McIntyre	<a href="http://www.rmit.edu.au/courses/002827">http://www.rmit.edu.au/courses/002827</a>
Usability Analysis	Vince Bruno	<a href="http://www.rmit.edu.au/courses/013842">http://www.rmit.edu.au/courses/013842</a>

<b>Course Title</b>	<b>Course Coordinator</b>	<b>URL of Part A Course Guide</b>
Internet and Intranet Document Engineering	James Thom	<a href="http://www.rmit.edu.au/courses/004176">http://www.rmit.edu.au/courses/004176</a>
Usability Engineering	Audrey Tam	<a href="http://www.rmit.edu.au/courses/004199">http://www.rmit.edu.au/courses/004199</a>
Web Services	Audrey Tam	<a href="http://www.rmit.edu.au/courses/035219">http://www.rmit.edu.au/courses/035219</a>
Software Reuse	Heinrich Schmidt	<a href="http://www.rmit.edu.au/courses/004183">http://www.rmit.edu.au/courses/004183</a>
Software Testing	Lawrence Cavedon	<a href="http://www.rmit.edu.au/courses/004186">http://www.rmit.edu.au/courses/004186</a>
Managerial Finance	Thomas Josev	<a href="http://www.rmit.edu.au/courses/005012">http://www.rmit.edu.au/courses/005012</a>
Emergent Leadership and Organisational Transformation	Paul Gibson	<a href="http://www.rmit.edu.au/courses/008911">http://www.rmit.edu.au/courses/008911</a>
Leading and Managing Change	Shahnaz Naughton	<a href="http://www.rmit.edu.au/courses/013407">http://www.rmit.edu.au/courses/013407</a>
<b>Key Courses</b>		
Software Requirements Engineering	Heinrich Schmidt	<a href="http://www.rmit.edu.au/courses/035217">http://www.rmit.edu.au/courses/035217</a>
Systems Architecture	tbc	<a href="http://www.rmit.edu.au/courses/004187">http://www.rmit.edu.au/courses/004187</a>
Enterprise Architecture	tbc	<a href="http://www.rmit.edu.au/courses/037926">http://www.rmit.edu.au/courses/037926</a>
IT Governance & Change Management	Mohini Singh	<a href="http://www.rmit.edu.au/courses/038807">http://www.rmit.edu.au/courses/038807</a>
Enterprise Architecture Case Studies	Heinrich Schmidt	<a href="http://www.rmit.edu.au/courses/037927">http://www.rmit.edu.au/courses/037927</a>

### Capability Matrix

Capability	SE A&D	DB	Java	IT Strategy	Electives	S/w Reqt	Sys Arch	Ent Arch	IT Gov CM	EA Case
Critical Analysis	F	F	F	F	C	C	C	A	A	A
Problem Solving	F	F	F	F	C	C	C	A	A	A
Communication	F			F		C	C	A	A	A
Teamwork	F						C	A	C	A
Leadership				F					C	A

**Key**

F: Foundation

C: Consolidated

A: Advanced