

## Program Guide

### Master of Applied Science (Information Systems)

#### 1. Program Details

Title	Master of Applied Science (Information Systems)
Abbreviation	M App Sci (Info Systems) (C)
RMIT Program Code	MC060
Credit Points	192
Career	Postgraduate
Duration/length	2 years (4 semesters) full time or 4 years (8 semesters) part time.
Campuses	City
Location	Onshore
Owning School	140H, School of Computer Science and IT, <a href="http://www.rmit.edu.au/csit/">http://www.rmit.edu.au/csit/</a>
Partnered offering / corporate client	N/A
ASCED code:	020300
CRICOS code:	015624M
Proposed Introduction	2008 Semester 1
Contact Details	Dr. Xiuzhen Jenny Zhang, Program coordinator, <a href="mailto:xiuzhen.zhang@rmit.edu.au">xiuzhen.zhang@rmit.edu.au</a> , x52774, 14.09.05

## 2. Plan Details

RMIT Plan Code	MC060P4
Title	Master of Applied Science (Information Systems)
Award Title	Master of Applied Science (Information Systems)
ASCED code:	020300
CRICOS code:	015624M

## 3. Program Map

Before starting your officially enrolled courses in your program plan, you are strongly advised to complete the Unix Survival Skills, a 4-hour intensive practical training course delivered in computer labs at the School of Computer Science and IT. The Unix Survival skills are essential for all courses in your program plan.

Many courses have prerequisites: these are listed in the program summary, which can be downloaded from <http://www.rmit.edu.au/browse;ID=spagdcjou91>

Following advice from the selection officer and academic advisors, complete four courses from:

Subject area	Catalogue number	Title	Credit points
COSC	1174	Advanced Client/Server Architecture	12
ISYS	2402	Advanced Distributed Systems (seminar*)	12
COSC	2308	Advanced Topics in Bioinformatics (seminar*)	12
COSC	2048	Agent Oriented Programming and Design (seminar*)	12
COSC	2306	Search Technology (seminar*)	12
MATH	1300	Analysis of Medical Data	12
BIOL	2034	Bioinformatics	12
COSC	2302	Computer and Internet Forensics	12
INTE	1125	Cryptography and Security	12
COSC	2407	Database Systems	12
ISYS	1072	Knowledge & Data Warehousing	12
ISYS	1095	Distributed Databases	12
ISYS	2377	Enterprise Architecture	12
COSC	2033	Evolutionary Computing	12
COSC	1170	Foundation Distributed Computing	12
ISYS	1078	Information Retrieval	12
COSC	1163	Intelligent Agents and Agent Systems	12
COSC	1165	Intelligent Web Systems (seminar*)	12
COSC	1168	Internet and Intranet Document Engineering	12
COSC	2151	Introduction to Computational Biology	12
COSC	2049	Mathematical Logic and Logic Programming (seminar*)	12
COSC	2304	Mobile and Wireless Computing	12
COSC	1176	Network Programming	12
COSC	2107	Network Security	12
INTE	1070	Secure Electronic Commerce	12
INTE	2401	Secure Programming Environments	12
ISYS	2404	Software Engineering for Large Scale Systems (seminar*)	12
COSC	2275	Software Requirements Engineering	12
ISYS	1083	Object Oriented Software Design	12
ISYS	1081	Software Reuse	12
ISYS	1085	Software Testing	12
ISYS	1088	Systems Architecture	12
ISYS	2040	Usability Analysis	12
COSC	1182	Usability Engineering	12
COSC	2279	Web Services	12

These courses are not available to students who entered MC060 after a CS/IT undergraduate degree.			
COSC	1321	Introduction to Programming	12
ISYS	1055	Database Concepts	12
ISYS	1117	Software Engineering Fundamentals	12
COSC	1283	Programming Techniques	12
COSC	1285	Algorithms and Analysis	12
COSC	1300	Web Servers and Web Technology	12
COSC	2426	Web Programming	12
COSC	2362	Programming 1	12
COSC	2207	Programming 2	12
COSC	1295	Java for Programmers	12

and four advanced electives from one of options A to H:

Subject area	Catalogue number	Title	Credit points
<b>Option A: Intelligent Systems</b>			
COSC	2048	Agent Oriented Programming and Design (seminar*)	12
ISYS	1072	Knowledge & Data Warehousing	12
COSC	2033	Evolutionary Computing (seminar*)	12
COSC	1163	Intelligent Agents and Agent Systems (seminar*)	12
COSC	2049	Mathematical Logic and Logic Programming (seminar*)	12
COSC	1165	Intelligent Web Systems (seminar*)	12
<b>Option B: Advanced Databases</b>			
COSC	2306	Search Technology (seminar*)	12
COSC	2407	Database Systems	12
ISYS	1072	Knowledge & Data Warehousing	12
ISYS	1078	Information Retrieval	12
COSC	1168	Internet and Intranet Document Engineering	12
<b>Option C: Web Based Computing</b>			
COSC	2302	Computer and Internet Forensics	12
ISYS	1078	Information Retrieval	12
COSC	1165	Intelligent Web Systems (seminar*)	12
COSC	1168	Internet and Intranet Document Engineering	12
COSC	2304	Mobile and Wireless Computing	12
COSC	2107	Network Security	12
INTE	1070	Secure Electronic Commerce	12
COSC	2279	Web Services	12
COSC	1182	Usability Engineering	12
ISYS	2040	Usability Analysis	12

Option D: Software Engineering			
ISYS	2377	Enterprise Architecture	12
ISYS	2404	Software Engineering for Large Scale Systems (seminar*)	12
COSC	2275	Software Requirements Engineering	12
ISYS	1083	Object Oriented Software Design	12
ISYS	1081	Software Reuse	12
ISYS	1085	Software Testing	12
ISYS	1088	Systems Architecture	12
COSC	1182	Usability Engineering	12
ISYS	2040	Usability Analysis	12
Option E: Networked and Distributed Systems			
COSC	1174	Advanced Client/Server Architectures	12
ISYS	2402	Advanced Distributed Systems (seminar*)	12
ISYS	1095	Distributed Databases	12
COSC	1170	Foundation Distributed Computing	12
COSC	2304	Mobile and Wireless Computing	12
COSC	1176	Network Programming	12
COSC	2107	Network Security	12
INTE	2401	Secure Programming Environments	12
Option F: Search Engines			
COSC	2109	Search Engines	12
COSC	2306	Search Technology (seminar*)	12
COSC	1165	Intelligent Web Systems (seminar*)	12
ISYS	1078	Information Retrieval	12
COSC	1168	Internet and Intranet Document Engineering	12
Option G: Computer Security			
COSC	2302	Computer and Internet Forensics	12
INTE	1125	Cryptography and Security	12
COSC	2304	Mobile and Wireless Computing	12
COSC	2107	Network Security	12
INTE	2401	Secure Programming Environments	12
INTE	1070	Secure Electronic Commerce	12
Option H: Bioinformatics			
COSC	2308	Advanced Topics in Bioinformatics (seminar*)	12
MATH	1300	Analysis Of Medical Data	12
BIOL	2034	Bioinformatics	12
COSC	2151	Introduction to Computational Biology	12

and complete one of Options 1 to 3 from:

Option 1: Research Methods, Minor Thesis and Software Engineering Postgraduate Project (available only to students who entered MC060 after a CS/IT undergraduate degree)

Complete this course:			
COSC	2149	Research Methods	12
And complete 36 credit points from:			
COSC	2179	Minor Thesis	36
COSC	2389	Minor Thesis Part A	24
COSC	2390	Minor Thesis Part B	12

AND complete this course:			
COSC	2273	Software Engineering Postgraduate Project	48

Option 2: Research Methods, Minor Thesis and Four (4) Courses.

Complete this course:			
COSC	2149	Research Methods	12
And complete 36 credit points from:			
COSC	2179	Minor Thesis	36
COSC	2389	Minor Thesis Part A	24
COSC	2390	Minor Thesis Part B	12
And complete four courses:			
COSC	1174	Advanced Client/Server Architecture	12
ISYS	2402	Advanced Distributed Systems (seminar*)	12
COSC	2308	Advanced Topics in Bioinformatics (seminar*)	12
COSC	2048	Agent Oriented Programming and Design (seminar*)	12
COSC	2306	Search Technology (seminar*)	12
MATH	1300	Analysis of Medical Data	12
BIOL	2034	Bioinformatics	12
COSC	2302	Computer and Internet Forensics	12
INTE	1125	Cryptography and Security	12
COSC	2407	Database Systems	12
ISYS	1072	Knowledge & Data Warehousing	12
ISYS	1095	Distributed Databases	12
ISYS	2377	Enterprise Architecture	12
COSC	2033	Evolutionary Computing (seminar*)	12
COSC	1170	Foundation Distributed Computing	12
ISYS	1078	Information Retrieval	12
COSC	1163	Intelligent Agents and Agent Systems (seminar*)	12
COSC	1165	Intelligent Web Systems (seminar*)	12
COSC	1168	Internet and Intranet Document Engineering	12
COSC	2151	Introduction to Computational Biology	12
COSC	2049	Mathematical Logic and Logic Programming (seminar*)	12
COSC	2304	Mobile and Wireless Computing	12
COSC	1176	Network Programming	12
COSC	2107	Network Security	12
INTE	1070	Secure Electronic Commerce	12
INTE	2401	Secure Programming Environments	12
ISYS	2404	Software Engineering for Large Scale Systems (seminar*)	12
COSC	2275	Software Requirements Engineering	12
ISYS	1083	Object Oriented Software Design	12
ISYS	1081	Software Reuse	12
ISYS	1085	Software Testing	12
ISYS	1088	Systems Architecture	12
ISYS	2040	Usability Analysis	12
COSC	1182	Usability Engineering	12
COSC	2279	Web Services	12
COSC	1125	Artificial Intelligence	12

COSC	1233	Broadcast Networks & Applications	12
COSC	2405	Database Administration	12
COSC	2272	Digital Media Computing	12
COSC	2106	Document Markup Languages	12
COSC	2354	Electronic Commerce & Enterprise Systems	12
ISYS	1106	Engineering Software Projects	12
COSC	2347	Mobile Application Development	12
COSC	2401	Software Architecture: Design & Implementation	12
COSC	1092	Scripting Language Programming	12
COSC	1131	Unix Systems Admin (Linux)	12
COSC	1219	User Interface Programming	12
COSC	1213	Web Media Technologies	12
ISYS	1124	Web Database Applications	12
COSC	2277	Web Development Technologies	12
COSC	1300	Web Servers and Web Technology	12
COSC	2427	Windows Systems Administration	12
These courses are not available to students who entered MC060 after a CS/IT undergraduate degree.			
COSC	1105	Computing Theory	12
COSC	2061	Data Communications & Net-Centric Computing	12
ISYS	1101	Implementation of Database Applications	12
COSC	1186	Interactive 3D Graphics and Animation	12
COSC	1252	Object-oriented Programming	12
COSC	1112	Operating Systems Principles	12
COSC	1224	Real-Time Rendering and 3D Games Programming	12
COSC	2428	Software Engineering Process and Tools	12
COSC	2425	Unix Essentials for System Administrators	12
These courses are offered by Schools in the Business Portfolio, and are only available to students who entered MC060 after a CS/IT undergraduate degree.			
ACCT	1118	Risk Management	12
ACCT	2108	Performance Measurement	12
ACCT	2127	Accounting for Management Decisions	12
BAFI	1059	Managerial Finance	12
BAFI	1070	Financial Statement Analysis	12
BUSM	1174	Leading and Managing Change	12
BUSM	1734	Risk Analysis and Assessment	12
ECON	1113	Economic Analysis for Business	12
JUST	1055	E-Business Law	12
JUST	1063	Corporate Governance	12
MKTG	1100	Marketing Management and Implement	12
OMGT	1021	Supply Chain Principles	12
OMGT	1236	E-Business Supply Chains	12

Option 3: Software Engineering Postgraduate Project and Four (4) Courses

Subject area	Catalogue number	Title	Credit points
Complete this course:			
COSC	2273	Software Engineering Postgraduate Project	48
And complete four courses:			
COSC	1174	Advanced Client/Server Architecture	12
ISYS	2402	Advanced Distributed Systems (seminar*)	12
COSC	2308	Advanced Topics in Bioinformatics (seminar*)	12
COSC	2048	Agent Oriented Programming and Design (seminar*)	12
COSC	2306	Search Technology (seminar*)	12

MATH	1300	Analysis of Medical Data	12
BIOL	2034	Bioinformatics	12
COSC	2302	Computer and Internet Forensics	12
INTE	1125	Cryptography and Security	12
COSC	2407	Database Systems	12
ISYS	1072	Knowledge & Data Warehousing	12
ISYS	1095	Distributed Databases	12
ISYS	2377	Enterprise Architecture	12
COSC	2033	Evolutionary Computing (seminar*)	12
COSC	1170	Foundation Distributed Computing	12
ISYS	1078	Information Retrieval	12
COSC	1163	Intelligent Agents and Agent Systems (seminar*)	12
COSC	1165	Intelligent Web Systems (seminar*)	12
COSC	1168	Internet and Intranet Document Engineering	12
COSC	2151	Introduction to Computational Biology	12
COSC	2049	Mathematical Logic and Logic Programming (seminar*)	12
COSC	2304	Mobile and Wireless Computing	12
COSC	1176	Network Programming	12
COSC	2107	Network Security	12
INTE	1070	Secure Electronic Commerce	12
INTE	2401	Secure Programming Environments	12
ISYS	2404	Software Engineering for Large Scale Systems (seminar*)	12
COSC	2275	Software Requirements Engineering	12
ISYS	1083	Object Oriented Software Design	12
ISYS	1081	Software Reuse	12
ISYS	1085	Software Testing	12
ISYS	1088	Systems Architecture	12
ISYS	2040	Usability Analysis	12
COSC	1182	Usability Engineering	12
COSC	2279	Web Services	12
COSC	1125	Artificial Intelligence	12
COSC	1233	Broadcast Networks & Applications	12
COSC	2405	Database Administration	12
COSC	2272	Digital Media Computing	12
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ACCT	2127	Accounting for Management Decisions	12
BAFI	1059	Managerial Finance	12
BAFI	1070	Financial Statement Analysis	12
BUSM	1174	Leading and Managing Change	12
BUSM	1734	Risk Analysis and Assessment	12
ECON	1113	Economic Analysis for Business	12
JUST	1055	E-Business Law	12
JUST	1063	Corporate Governance	12
MKTG	1100	Marketing Management and Implement	12
OMGT	1021	Supply Chain Principles	12
OMGT	1236	E-Business Supply Chains	12

### **Program Progression Rules**

The program is structured so that capabilities are developed sequentially through the 2 years. Assumed prerequisite capabilities are listed for each course in the individual course guides. You are strongly advised against enrolling in courses for which you do not have the required prerequisites, unless prior approval has been obtained from the Program Leader. Failure in one or more courses may make it impossible for you to complete the program within the minimum 2-year period.

## **4. External Accreditation and Industry Links**

Graduates of this program are eligible for membership at the professional level of the Australian Computer Society, which accredits Information and Communication Technology related programs in Australia.

## **5. Objectives of the Program**

The objective of this program is to develop your knowledge and skills essential for the IT industry to become employable as a competent professional in the evolving IT industry.

## **6. Statement of capabilities**

At the conclusion of this program, you will achieve advanced postgraduate-level technical computing capabilities. You will develop expertise in several specialized areas and come up with cutting-edge Computer Science technology. The curriculum of this program is developed in consultation with stakeholders and validated by employers and students. The graduate capabilities developed by this program are composed of the following dimensions:

- **Problem Solving**  
You will possess the capability to analyse problems in the IT industry, and synthesise suitable solutions with current technologies in Computer Science and software engineering. You can solve problems in different application areas with advanced knowledge in specific areas.
- **Communication**  
You will possess the capability that allows you to communicate effectively with IT and non-IT audiences through a range of modes and media.
- **Working in Teams**  
You will possess the capability to work as an effective and productive team member in a range of professional and social situations, especially in large scale application software development.
- **Responsibility**  
In general this capability refers to accepting responsibility for one's own learning and making informed decisions in judging and adopting appropriate behaviour in professional and social situations. This includes accepting the responsibility for life-long learning. Specifically, the responsibility that you develop from this program will allow you to effectively apply relevant standards, ethical considerations, and an understanding of legal and privacy issues to designing software systems.
- **Enabling Knowledge**  
The curriculum for this program incorporates cutting-edge technologies in specialized areas as shown in the table below while maintaining a broad coverage of advanced theories in computer science and information technology. At the end of the program, you will possess the expertise in one major specialized area and advanced knowledge in minor areas that allows you to excel and apply knowledge effectively to solve complex problems and come up with creative solutions for new situations.

<b>Advanced Electives</b>	<b>Enabling Knowledge</b>
Option A: Intelligent Systems	Knowledge of advanced techniques in artificial intelligence, including agent systems, machine learning, evolutionary computing, and intelligent database and knowledge systems.
Option B: Advanced Databases	Knowledge of advanced techniques in databases, including data warehousing, data mining, large scale data storage and retrieval.
Option C: Web-based Computing	Knowledge of advanced techniques in Web systems, including retrieval of information from the Web, managing large volume of data on the Web, and techniques for ensuring data and information security on the Web.
Option D: Software Engineering	Knowledge of advanced techniques in large scale software development, including software reuse and testing, object-oriented software design.
Option E: Networked and Distributed Systems	Knowledge of advanced techniques in network and distributed systems, including foundation in distributed computing and various aspects of information security on the Web.
Option F: Search Engines	Knowledge of advanced techniques in information retrieval, including techniques for indexing large volume of data,
Option G: Computer Security	Knowledge of advanced techniques in computer and information security. Knowledge and practice in secure programming.
Option H;: Bioinformatics	Knowledge of advanced techniques in bioinformatics and computational biology.

## 7. An approach to Teaching and Learning

The learning activities included in this program are:

- key concepts will be explained in lectures, seminars or online, where syllabus material will be presented and illustrated with demonstrations and examples;
- tutorials and group discussions (including online forums) focussed on projects and problem solving 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 numerical 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.

## 8. Articulation and Pathways

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			
BP094 BP096 BP098 BP162	CSIT	ISYS1055 ISYS1117 COSC1283				
MC061 MC062 MC063	CSIT	All courses				

## 9. Entrance requirements

Successful completion of a bachelor level degree in any field, or be a qualified IT professional with extensive relevant industry experience.

### International Students

An IELTS English language test score of 6.5 or greater with no band less than 6.0.

## 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.

## 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

Nil.

### 13. Course descriptions

Title	Course guide part A
Advanced Client/Server Architecture	<a href="http://www.rmit.edu.au/courses/004195">http://www.rmit.edu.au/courses/004195</a>
Advanced Topics in Bioinformatics	<a href="http://www.rmit.edu.au/courses/036676">http://www.rmit.edu.au/courses/036676</a>
Agent Oriented Programming and Design	<a href="http://www.rmit.edu.au/courses/014061">http://www.rmit.edu.au/courses/014061</a>
Search Technology	<a href="http://www.rmit.edu.au/courses/036673">http://www.rmit.edu.au/courses/036673</a>
Analysis of Medical Data	<a href="http://www.rmit.edu.au/courses/012000">http://www.rmit.edu.au/courses/012000</a>
Bioinformatics	<a href="http://www.rmit.edu.au/courses/028321">http://www.rmit.edu.au/courses/028321</a>
Computer and Internet Forensics	<a href="http://www.rmit.edu.au/courses/036671">http://www.rmit.edu.au/courses/036671</a>
Cryptography and Security	<a href="http://www.rmit.edu.au/courses/014836">http://www.rmit.edu.au/courses/014836</a>
Database Systems	<a href="http://www.rmit.edu.au/courses/039983">http://www.rmit.edu.au/courses/039983</a>
Knowledge & Data Warehousing	<a href="http://www.rmit.edu.au/courses/004171">http://www.rmit.edu.au/courses/004171</a>
Distributed Databases	<a href="http://www.rmit.edu.au/courses/004194">http://www.rmit.edu.au/courses/004194</a>
Enterprise Architecture	<a href="http://www.rmit.edu.au/courses/037926">http://www.rmit.edu.au/courses/037926</a>
Evolutionary Computing	<a href="http://www.rmit.edu.au/courses/014062">http://www.rmit.edu.au/courses/014062</a>
Foundation Distributed Computing	<a href="http://www.rmit.edu.au/courses/004192">http://www.rmit.edu.au/courses/004192</a>
Information Retrieval	<a href="http://www.rmit.edu.au/courses/004175">http://www.rmit.edu.au/courses/004175</a>
Intelligent Agents and Agent Systems	<a href="http://www.rmit.edu.au/courses/004169">http://www.rmit.edu.au/courses/004169</a>
Intelligent Web Systems (Seminar)	<a href="http://www.rmit.edu.au/courses/004170">http://www.rmit.edu.au/courses/004170</a>
Internet and Intranet Document Engineering	<a href="http://www.rmit.edu.au/courses/004176">http://www.rmit.edu.au/courses/004176</a>
Introduction to Computational Biology	<a href="http://www.rmit.edu.au/courses/031751">http://www.rmit.edu.au/courses/031751</a>
Minor Thesis	<a href="http://www.rmit.edu.au/courses/032113">http://www.rmit.edu.au/courses/032113</a>
Minor Thesis Part A	<a href="http://www.rmit.edu.au/courses/038914">http://www.rmit.edu.au/courses/038914</a>
Minor Thesis Part B	<a href="http://www.rmit.edu.au/courses/038915">http://www.rmit.edu.au/courses/038915</a>
Mathematical Logic and Logic Programming	<a href="http://www.rmit.edu.au/courses/014063">http://www.rmit.edu.au/courses/014063</a>
Mobile and Wireless Computing	<a href="http://www.rmit.edu.au/courses/036672">http://www.rmit.edu.au/courses/036672</a>
Network Programming	<a href="http://www.rmit.edu.au/courses/004197">http://www.rmit.edu.au/courses/004197</a>
Network Security	<a href="http://www.rmit.edu.au/courses/029567">http://www.rmit.edu.au/courses/029567</a>
Object Oriented Software Design	<a href="http://www.rmit.edu.au/courses/004185">http://www.rmit.edu.au/courses/004185</a>
Research Methods	<a href="http://www.rmit.edu.au/courses/031749">http://www.rmit.edu.au/courses/031749</a>
Secure Electronic Commerce	<a href="http://www.rmit.edu.au/courses/004178">http://www.rmit.edu.au/courses/004178</a>
Secure Programming Environments	<a href="http://www.rmit.edu.au/courses/038407">http://www.rmit.edu.au/courses/038407</a>
Software Requirements Engineering	<a href="http://www.rmit.edu.au/courses/035217">http://www.rmit.edu.au/courses/035217</a>
Software Reuse	<a href="http://www.rmit.edu.au/courses/004183">http://www.rmit.edu.au/courses/004183</a>
Software Testing	<a href="http://www.rmit.edu.au/courses/004186">http://www.rmit.edu.au/courses/004186</a>
Systems Architecture	<a href="http://www.rmit.edu.au/courses/004187">http://www.rmit.edu.au/courses/004187</a>
Usability Analysis	<a href="http://www.rmit.edu.au/courses/013842">http://www.rmit.edu.au/courses/013842</a>
Usability Engineering	<a href="http://www.rmit.edu.au/courses/004199">http://www.rmit.edu.au/courses/004199</a>
Web Services	<a href="http://www.rmit.edu.au/courses/035219">http://www.rmit.edu.au/courses/035219</a>
Artificial Intelligence	<a href="http://www.rmit.edu.au/courses/004123">http://www.rmit.edu.au/courses/004123</a>
Broadcast Networks & Applications	<a href="http://www.rmit.edu.au/courses/004232">http://www.rmit.edu.au/courses/004232</a>
Database Administration	<a href="http://www.rmit.edu.au/courses/039982">http://www.rmit.edu.au/courses/039982</a>
Digital Media Computing	<a href="http://www.rmit.edu.au/courses/035215">http://www.rmit.edu.au/courses/035215</a>
Document Markup Languages	<a href="http://www.rmit.edu.au/courses/029566">http://www.rmit.edu.au/courses/029566</a>
Electronic Commerce & Enterprise Systems	<a href="http://www.rmit.edu.au/courses/014053">http://www.rmit.edu.au/courses/014053</a>
Engineering Software Projects	<a href="http://www.rmit.edu.au/courses/004245">http://www.rmit.edu.au/courses/004245</a>
Mobile Application Development	<a href="http://www.rmit.edu.au/courses/036687">http://www.rmit.edu.au/courses/036687</a>
Software Architecture: Design & Implementation	<a href="http://www.rmit.edu.au/courses/014052">http://www.rmit.edu.au/courses/014052</a>
Scripting Language Programming	<a href="http://www.rmit.edu.au/courses/014048">http://www.rmit.edu.au/courses/014048</a>
Unix Systems Admin (Linux)	<a href="http://www.rmit.edu.au/courses/014050">http://www.rmit.edu.au/courses/014050</a>
User Interface Programming	<a href="http://www.rmit.edu.au/courses/004225">http://www.rmit.edu.au/courses/004225</a>
Web Development Technologies	<a href="http://www.rmit.edu.au/courses/035218">http://www.rmit.edu.au/courses/035218</a>
Web Servers and Web Technology	<a href="http://www.rmit.edu.au/courses/004318">http://www.rmit.edu.au/courses/004318</a>
Web Database Applications	<a href="http://www.rmit.edu.au/courses/004312">http://www.rmit.edu.au/courses/004312</a>
Web Media Technologies	<a href="http://www.rmit.edu.au/courses/004223">http://www.rmit.edu.au/courses/004223</a>

Windows Systems Administration	<a href="http://www.rmit.edu.au/courses/039991">http://www.rmit.edu.au/courses/039991</a>
Computing Theory	<a href="http://www.rmit.edu.au/courses/004108">http://www.rmit.edu.au/courses/004108</a>
Data Communications & Net-Centric Computing	<a href="http://www.rmit.edu.au/courses/004110">http://www.rmit.edu.au/courses/004110</a>
Implementation of Database Applications	<a href="http://www.rmit.edu.au/courses/004218">http://www.rmit.edu.au/courses/004218</a>
Interactive 3D Graphics and Animation	<a href="http://www.rmit.edu.au/courses/004201">http://www.rmit.edu.au/courses/004201</a>
Object Oriented Programming	<a href="http://www.rmit.edu.au/courses/004244">http://www.rmit.edu.au/courses/004244</a>
Operating Systems Principles	<a href="http://www.rmit.edu.au/courses/004111">http://www.rmit.edu.au/courses/004111</a>
Real-Time Rendering and 3D Games Programming	<a href="http://www.rmit.edu.au/courses/004227">http://www.rmit.edu.au/courses/004227</a>
Software Engineering Process & Tools	<a href="http://www.rmit.edu.au/courses/014049">http://www.rmit.edu.au/courses/014049</a>
Unix Essentials for System Administrators	<a href="http://www.rmit.edu.au/courses/039989">http://www.rmit.edu.au/courses/039989</a>
Risk Management	<a href="http://www.rmit.edu.au/courses/001215">http://www.rmit.edu.au/courses/001215</a>
Performance Measurement	<a href="http://www.rmit.edu.au/courses/001223">http://www.rmit.edu.au/courses/001223</a>
Accounting for Management Decisions	<a href="http://www.rmit.edu.au/courses/034427">http://www.rmit.edu.au/courses/034427</a>
Managerial Finance	<a href="http://www.rmit.edu.au/courses/005012">http://www.rmit.edu.au/courses/005012</a>
Financial Statement Analysis	<a href="http://www.rmit.edu.au/courses/005015">http://www.rmit.edu.au/courses/005015</a>
Leading and Managing Change	<a href="http://www.rmit.edu.au/courses/013407">http://www.rmit.edu.au/courses/013407</a>
Risk Analysis and Assessment	<a href="http://www.rmit.edu.au/courses/008168">http://www.rmit.edu.au/courses/008168</a>
Economic Analysis for Business	<a href="http://www.rmit.edu.au/courses/005030">http://www.rmit.edu.au/courses/005030</a>
E-Business Law	<a href="http://www.rmit.edu.au/courses/013863">http://www.rmit.edu.au/courses/013863</a>
Corporate Governance	<a href="http://www.rmit.edu.au/courses/002957">http://www.rmit.edu.au/courses/002957</a>
Marketing Management and Implementation	<a href="http://www.rmit.edu.au/courses/008994">http://www.rmit.edu.au/courses/008994</a>
Supply Chain Principles	<a href="http://www.rmit.edu.au/courses/008166">http://www.rmit.edu.au/courses/008166</a>
E-Business Supply Chains	<a href="http://www.rmit.edu.au/courses/014795">http://www.rmit.edu.au/courses/014795</a>

### Capability Matrix

Generic capabilities are developed in all courses with varying degrees. The matrix below indicates the capability level developed in each core course, and collectively in electives and advanced electives. Keys used in the matrix: Foundation (F), Consolidated (C) and Advanced (A)

Capability	ISYS1055	ISYS1117	COSC1283	COSC1285	Electives	Option A	Option B	Option C	Option D	Option E	Option F	Option G	Option H	Option 1	Option 2	Option 3
critical analysis	F	F	F	F	C	A	A	A	A	A	A	A	A	A	A	A
problem solving	F	F	F	C	C	A	A	A	A	A	A	A	A	A	A	A
communication	F	F	F	F	C	A	A	A	A	A	A	A	A	A	A	A
responsibility	F	F	F	F	C	A	A	A	A	A	A	A	A	A	A	A
teamwork		F			C				A							