

# IT Programmes

Developed and Awarded by University of Wollongong, Australia

## Bachelor of Business Information Systems (Top-Up)

If you are a passionate organiser who likes to use technology to solve problems, then the Bachelor of Business Information Systems (BBIS) from UOW is for you. Information systems support essential activities in every business and government in the world—they are integral to the smooth running of any organisational success. The content of our BBIS is constantly updated to be in line with emerging industry trends to ensure your transition from this programme to a successful career is seamless.

The degree is available on a full-time basis.

## Bachelor of Computer Science (Multimedia and Game Development)

Think you can design the next gaming sensation? This programme will equip you with skills to apply techniques to the development of video games and related systems on computers and mobile platforms, including devices such as mobile phones, tablets and wearable devices.

The degree is available on a full-time basis.

## Bachelor of Computer Science (Digital Systems Security)

The programme covers advanced security programming and techniques. The subjects create an understanding of information protection and coding strategies to ensure correctness, security and authenticity of data.

The degree is available on both full-time and part-time basis.

## Bachelor of Information Technology (Computing)

The programme has a solid foundation in theory, analysis, design, and implementation. These core skills are extended into a range of key areas, including network management, systems administration, security, databases, and aspects of software engineering.

This degree is available on a part-time basis.



## Duration, Intakes and Course Fees

Programme	Programme Duration	Level	Total No. of Subjects	Total Fees*	Intakes
Bachelor of Computer Science/ Bachelor of Information Technology (Computing)	3 years	Standard Entry	23	S\$33,384.00	Bachelor of Computer Science/ Bachelor of Information Technology (Computing): Jan, Apr, Jul, Oct
Bachelor of Computer Science/ Bachelor of Information Technology (Computing)/ Bachelor of Business Information Systems (Top-up)	2.5 years	0.5 Year Credit Exemption	19	S\$29,104.00	
	2 years	1 Year Credit Exemption	15	S\$24,824.00	Bachelor of Business Information Systems (Top-up): Jan, Jul
	1.5 years	1.5 Years Credit Exemption	11	S\$20,544.00	

\*Fees are inclusive of prevailing GST. The fees payable each semester is dependent on the number of subjects undertaken. Fees do not include textbooks. Please refer to SIM GE website for the latest fees.

## Programme Structure

Bachelor of Business Information Systems (Top-up)		
Taught by Local Lecturers		Taught by UOW Academics
ISIT100 – System Analysis ISIT112 – Database ISIT114 – Object Oriented Programming ISIT201- Information And Communication Security ISIT205 – Social Impact of Technology ISIT206 – Web Technologies ISIT301 – Professional Practice And Ethics ACCY111 – Accounting Fundamentals in Society ECON101 – Macroeconomic Essentials for Business MARK101 – Marketing Principles MGMT102 – Business Communications MGMT110 – Introduction to Management		ISIT204 – Principles of eBusiness ISIT208 – Strategic Systems Management ISIT218 – Systems Design And Human Computer Interaction ISIT306 – Strategic eBusiness Solutions ISIT311 – Database Management Systems ISIT332 – Business Process Management
Final Year Project		
ISIT351 – Information Technology Project		
Industry Attachment		
ISIT200 – Industry Placement		
<i>The Industry Placement is no longer a compulsory requirement of the programme, and is only available to local students.</i>		
Bachelor of Computer Science (Digital Systems Security/Multimedia and Game Development) Bachelor of Information Technology (Computing)		
Year 1		Year 2
CSCI102 – Systems CSCI110 – Introduction to W3 Technologies ECTE182 – Internet Technology STAT131 (Core) – Understanding Variation and Uncertainty MATH121 (Core) – Discrete Mathematics CSCI103 (Core) – Algorithms and Problem Solving CSCI114 (Core) – Procedural Programming CSCI124 (Core) – Applied Programming		CSCI203 – Algorithms and Data Structures IACT201 – Professional Practice and Ethics CSCI205 – Software Development Methods and Tools CSCI213 – Java Programming and Applications CSCI204 (Core) – Object and Generic Programming in C++ CSCI212 (Core) – Interacting Systems CSCI222 (Core) – Systems Development CSCI235 (Core) – Database Systems
Year 3		
Bachelor of Computer Science (Digital Systems Security)	Bachelor of Computer Science (Multimedia and Game Development)	Bachelor of Information Technology (Computing)
CSCI322 – Systems Administration CSCI319 – Distributed Systems and Cloud Computing CSCI361 – Cryptography and Secure Applications CSCI368 – Network Security CSCI262 – Systems Security CSCI358 – Security Engineering CSCI321 – Project	CSCI322 – Systems Administration CSCI336 – Interactive Computer Graphics CSCI236 – 3D Modelling and Animation CSCI346 – Game Development CSCI356 – Game Engine Essentials CSCI367 – Multimedia Computing CSCI321 – Project	CSCI322 – Systems Administration ISIT302 – Corporate Network Management CSCI311 – Software Process Management CSCI224 – Human Computer Interaction IACT301 – Information and Communication Security Issues CSCI315 – Database Design and Implementation CSCI321 – Project

### Notes

- Some subjects have prerequisite requirements; students must successfully complete these requirements before being allowed to enrol in the subject. Please refer to website for prerequisite to each subject.
- Subject offerings are subject to variation.
- Subjects in Year 3 are taught by UOW academics.
- Students must have access to the Internet, an email account and personal printing facilities. Online materials will not be reproduced in hardcopy for students.
- Subjects offered may not be in sequence and may be across different levels.

## Bachelor of Business Information Systems (Top-up) Credit Exemption Entry Level

Institution	1.5 Year Credit Exemption	1 Year Credit Exemption
Singapore Polytechnic	Diploma: <ul style="list-style-type: none"> <li>• Business Information Technology (New Media Marketing)</li> <li>• Business Information Technology (E-Business Services)</li> <li>• Business Information Technology</li> <li>• Financial Informatics</li> </ul>	Diploma: <ul style="list-style-type: none"> <li>• Information Technology (Software Design)</li> <li>• Information Technology (Information Security)</li> <li>• Information Technology (Interaction Design)</li> <li>• Information Technology (Tourism, Hospitality and Retail Elective)</li> <li>• Information Technology (Game Development)</li> </ul>
Temasek Polytechnic	Diploma: <ul style="list-style-type: none"> <li>• Financial Business Informatics (Banking or Finance)</li> <li>• Business Info Technology</li> </ul>	Diploma: <ul style="list-style-type: none"> <li>• Information Technology</li> <li>• Infocomm &amp; Network Engineering</li> <li>• Cyber &amp; Digital Security</li> <li>• Digital Forensics</li> <li>• Mobile &amp; Network Services</li> <li>• Business Intelligence &amp; Analytics</li> </ul>
Nanyang Polytechnic	Diploma: <ul style="list-style-type: none"> <li>• Information Technology</li> <li>• Business Management</li> <li>• Business Informatics</li> <li>• Financial Informatics</li> <li>• Business Enterprise IT</li> <li>• Business Intelligence and Analysis</li> </ul>	Diploma: <ul style="list-style-type: none"> <li>• Multimedia &amp; Infocomm Technology</li> </ul>
Ngee Ann Polytechnic	Diploma: <ul style="list-style-type: none"> <li>• Information Technology (Business Management)</li> <li>• Financial Informatics</li> </ul>	Diploma: <ul style="list-style-type: none"> <li>• Business Information Technology</li> <li>• Information Technology (Infocomm Sales &amp; Marketing)</li> <li>• Information Technology (Mobile Business Application)</li> <li>• Information Technology (Information Security &amp; Forensics)</li> <li>• Information Technology (Solutions Architect)</li> <li>• Information Technology</li> <li>• Network Systems &amp; Security</li> </ul>
Republic Polytechnic	N.A.	Diploma: <ul style="list-style-type: none"> <li>• Business Applications</li> <li>• Information Technology</li> <li>• Business Information Systems</li> <li>• IT Service Management</li> </ul>

### Notes

To obtain the maximum credit exemption, applicants must have a GPA score of 2.0 or more (out of 4.0).

All non-IT diplomas may receive up to 24 credit points exemption on a case-by-case basis subject to UOW's approval.

1. This list is not exhaustive and UOW reserves the right to change/amend the admission criteria.

2. All qualifications will be considered on a case-by-case basis.

3. Due to variations in the diploma programmes within a polytechnic, the same qualifications may receive different credit exemption. Such variations include changes in the curriculum, changes in the delivery, the age of qualifications and electives taken within the programme.

# Bachelor of Computer Science (Digital Systems Security/Multimedia and Game Development) Bachelor of Information Technology (Computing) Credit Exemption Entry Level

Institution	2 Year Credit Exemption	1.5 Year Credit Exemption	1 Year Credit Exemption
Singapore Polytechnic	Diploma: <ul style="list-style-type: none"> <li>Information Technology (Game Development)</li> <li>Information Technology (Software Design)</li> </ul>	Diploma: <ul style="list-style-type: none"> <li>Infocomm Security Management</li> <li>Information Technology (Information Security)</li> <li>Information Technology (Interaction Design)</li> <li>Information Technology (Business Management Solutions)</li> <li>Computer Engineering</li> </ul>	Diploma: <ul style="list-style-type: none"> <li>Business Information Technology</li> </ul>
Temasek Polytechnic	Diploma: <ul style="list-style-type: none"> <li>Information Technology</li> </ul>	Diploma: <ul style="list-style-type: none"> <li>Cyber &amp; Digital Security</li> <li>Digital Forensics</li> <li>Game Design &amp; Development</li> <li>Mobile &amp; Network Services</li> <li>Big Data Management &amp; Governance</li> </ul>	Diploma: <ul style="list-style-type: none"> <li>Computer Engineering</li> <li>Infocomm &amp; Network Engineering</li> </ul>
Nanyang Polytechnic	Diploma: <ul style="list-style-type: none"> <li>Engineering Informatics</li> <li>Information Technology (Game Development &amp; Technology)</li> </ul>	Diploma: <ul style="list-style-type: none"> <li>Business Enterprise IT</li> <li>Business Informatics</li> <li>Business Intelligence &amp; Analytics</li> <li>Cyber Security &amp; Forensics</li> <li>Financial Informatics</li> <li>Electronics, Computer &amp; Communications</li> <li>Multimedia &amp; Infocomm Technology</li> </ul>	N.A.
Ngee Ann Polytechnic	Diploma: <ul style="list-style-type: none"> <li>Information Technology (Games Programming)</li> <li>Information Technology (Solutions Architect)</li> </ul>	Diploma: <ul style="list-style-type: none"> <li>Information Security &amp; Forensics</li> <li>Information Technology (Business &amp; Data Analytics)</li> <li>Information Technology (Business Management)</li> <li>Information Technology (Infocomm Sales &amp; Marketing)</li> <li>Information Technology (Mobile Business Application)</li> <li>Information Technology (Cloud Computing)</li> </ul>	Diploma: <ul style="list-style-type: none"> <li>Financial Informatics (Banking &amp; Finance)</li> <li>Financial Informatics (Financial Analytics)</li> </ul>
Republic Polytechnic	N.A.	N.A.	Diploma: <ul style="list-style-type: none"> <li>Business Information Systems</li> <li>Business Applications</li> <li>Information Technology</li> <li>Infocomm Security Management</li> <li>IT Service Management</li> <li>Mobile Software Development</li> </ul>

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This brochure contains key information, accurate as at time of print on 25 September 2017. For the most updated and complete corporate and programme information, refer to our website at [www.simge.edu.sg](http://www.simge.edu.sg). SIM and University of Wollongong reserve the right to change the information, including fees, herein at any time.

THE  
GLOBAL  
EDGE

ABILITY

ADAPTABILITY

EMPLOYABILITY

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 [facebook.simge.edu.sg](https://facebook.simge.edu.sg)

 +65 6248 9746

 [study@sim.edu.sg](mailto:study@sim.edu.sg)



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Validity: 20/05/2014 – 19/05/2018

Singapore Institute of Management Pte Ltd  
CPE Registration Number: 199607747H  
Period of Registration: 20 May 2014 – 19 May 2018



A Member of the SIM Group