



# UOWD

University of Wollongong in Dubai

## **Bachelor of Internet Science and Technology**

The Bachelor of Internet Science and Technology (BIST) degree seeks to create professionals who can work in all the service areas provided by the Internet. The Internet has revolutionised the way business is conducted and has made a great contribution to the delivery of services in the fields of information, education and entertainment. This has led to tremendous public interest in the Internet, which is expected to become a major motivator for new software products, services and business reform over the next five to ten years. The BIST program prepares the graduates with the necessary knowledge and hands-on skills to conquer the market demands through extensive practical lab work and industry relations. Graduates of this degree can look forward to a variety of opportunities leading to worthwhile careers in the rapidly evolving IT industry

### **Course Requirements**

Students are required to complete thirty four (34) subjects or at least 204 credit points (cp) by satisfactory completion of:

1. No more than 60 cp will count towards General Education (GED).
2. In addition, at least 144 cp chosen from the approved academic degree planner
3. Should not do more than 66cp (11 subjects) at 100 level (This includes MGMT102 and LAW101)
4. At least 48cp (8 subjects) should be at 300 level
5. No more than a total of 24 credit points of subjects at 100 level or higher (i.e. 200 level and 300 level) should be at 'PC' grade
6. Achieve an overall Weighted Average Mark (WAM) of 50% average at UOWD.

## Degree Planner for Bachelor of Internet Science and Technology

YEAR/ Semester	Subject Code	CP	Subject	Pre-Requisite	Requirement
Year 1 Semester 1 Autumn	ARTS015	6	Introduction to University Life	NA	General Education
	ARTS017	6	Islamic Culture	NA	General Education
	MATH015	6	Foundation Mathematics A	NA	General Education
	CSCI015	6	Computer Applications	NA	General Education
	STAT015	6	Introduction to Statistics	NA	General Education

YEAR/ Semester	Subject Code	CP	Subject	Pre-Requisite	Requirement
Year 1 Semester 2 Spring	CSCI114	6	Procedural Programming	CSCI015	BIST Core
	CSCI103	6	Algorithms and Problem Solving	CSCI015	BIST Core
	ENVI030	6	Environmental Studies	ARTS015	General Education
	GEC *	6			General Education
	GEC	6			General Education

YEAR/ Semester	Subject Code	CP	Subject	Pre-Requisite	Requirement
Year 2 Semester 1 Autumn	CSCI124	6	Applied Programming	CSCI103 & CSCI114	BIST Core
	CSCI102/ISIT 102	6	Systems	CSCI015	BIST Core
	MGMT 110	6	Introduction to Management	ARTS 015	BIST Core
	ECTE 182	6	Internet technology 1	NA	BIST Core

YEAR/ Semester	Subject Code	CP	Subject	Pre-Requisite	Requirement
Year 2 Semester 2 Spring	STAT131	6	Understanding Variation and Uncertainty	STAT015	BIST Core
	MARK 101	6	Marketing Principles	ARTS 015	BIST Core
	GEC	6			General Education
	GEC	6			General Education

YEAR/ Semester	Subject Code	CP	Subject	Pre-Requisite	Requirement
Year 3 Semester 1 Autumn	ECTE 282	6	Internet Systems	ECTE 182	BIST Core
	CSCI 213	6	Java Programming and Object Oriented Design	CSCI 124	BIST Core
	IACT201	6	Information Technology and Citizens Rights	24 credit points at 100 level	BIST Core
	Elective	6	(See options below)		Elective

YEAR/ Semester	Subject Code	CP	Subject	Pre-Requisite	Requirement
Year 3 Semester 2 Spring	INFO 202	6	Project	ECTE 182 and CSCI 124	BIST Core
	IACT 202	6	The Structure and Organization of Telecommunications	CSCI 102 or CSCI 114	BIST Core
	Elective	6	(See options below)		Elective
	Elective	6	(See options below)		Elective

YEAR/ Semester	Subject Code	CP	Subject	Pre-Requisite	Requirement
Year 4 Semester 1 Autumn	IACT 303	6	World-wide Networking	CSCI 102 or (CSCI 114 & CSCI 103)	BIST Core
	MARK 301	6	Internet Application for Marketing	MARK 101	BIST Core
	Elective	6	(See options below)		Elective
	Elective	6	(See options below)		Elective

YEAR/ Semester	Subject Code	CP	Subject	Pre-Requisite	Requirement
Year 4 Semester 2 Spring	IACT 301	6	Information and communication security issues	IACT 201	BIST Core
	IACT304	6	Principles of e-Business	12 cp at 200 level in IACT or CSCI	BIST Core
	Elective	6	(See options below)		Elective
	Elective	6	(See options below)		Elective

**GEC elective subjects (choose any 4)**

Code	Title	Pre-requisites
ARTS 035	Introduction to Philosophy	
MATH 020	Foundation Mathematics B	MATH 015
PSYC 015	Introduction to Psychology	ARTS 015
LAW 101	Law, Business and Society	
MGMT102	Business Communication	ARTS 015

**Degree electives (choose any 7)**

Choose **seven** electives from the following list strictly of which

- Maximum of 1 subject at 100 level
- Minimum of 4 subjects at 300 level

Code	Title	Pre-requisites
<b>100 LEVEL</b>		
ACCY 100	Accounting 1A	ARTS 015
ECON 101	Macro economical Essentials for Business	ARTS 015
ECON 111	Introductory Microeconomics	ARTS 015
MATH 121	Discrete Mathematics	MATH 015
<b>200 LEVEL</b>		
BUSS 211	Requirements determination and system analysis	6 CP @ 100 level
CSCI 204	Object Programming and Frameworks	CSCI 124
CSCI 205	Development methods and Tools	CSCI 124
CSCI 235	Databases	CSCI 124
<b>300 LEVEL</b>		
BUSS 312	Business Data communications	6 CP of 200 level CSCI subjects
COMM 351	Business ethics and governance	72 CP
CSCI311	Software Process Management	CSCI205
CSCI 315	Database Design and Implementation	CSCI235
CSCI 323	Artificial Intelligence	CSCI 204 & 6CP of 200 level CSCI subjects
CSCI 324	Human Computer Interaction	CSCI 204 & 6CP of 200 level CSCI subjects
CSCI 336	Computer graphics	CSCI 204 & 6CP of 200 level CSCI subjects
CSCI399	Server Technology	CSCI213
IACT 305	eBusiness technologies	6 CP 200 level IACT or CSCI
INFO303	Project (12 credits)	INFO202 & WAM > 70 in 200 level subjects
MARK 343	International Marketing	MARK101