

School of Information Technology

## **BACHELOR OF INFORMATION TECHNOLOGY *BInfoTech***

**Programme Codes:** Wintec: IT9401                      MoE: WK2361  
**Level:** Degree  
**Effective Date:** January 2012

These regulations should be read in conjunction with the Institute's Academic Regulations, clause 2 General Programme Regulations.

### **1. Transition Arrangements**

- 1.1. This programme replaces the existing Bachelor of Information Technology degree offered by Wintec. The old 20 credit modules will begin to be phased out and replaced with the new 15 credit modules from 1 January 2006. This will enable candidates who have begun their studies in 2004 or 2005 to complete the degree using the old modules. Candidates who begin their studies in 2006 will complete their degree using the new modules.
- 1.2. Candidates who have English as a second language are required to have an International English Language Test Score (IELTS) of 6.0, with a minimum of 5.5 in the written band.
- 1.3. Candidates who begin the Bachelor in Information Technology in 2005 but who have not successfully completed one or more 20 credit modules at level 5 in 2005 or one or more 20 credit modules at level 6 in 2006 and where there is minimal change in the curriculum prescription of the old and new modules will be required to:
  - 1.3.1. Enrol in the old 20 credit module;
  - 1.3.2. Participate in the new 15 credit module class ;
  - 1.3.3. Undertake extra assignment work to ensure that 200 learning hours are completed.
- 1.4. Candidates who begin the Bachelor in Information Technology in 2005 but who have not successfully completed one or more 20 credit modules in 2005 or one or more 20 credit modules in 2006 and where there is significant change in the curriculum prescription of the old and new modules will be required to:
  - 1.4.1. Enrol in the new 15 credit module;
  - 1.4.2. Make up any 5 credit deficit for every old 20 credit module not successfully completed by enrolling in any new 15 credit module (at any level) that does not have a corresponding old 20 credit module in the degree.
- 1.4. Candidates who begin the Bachelor in Information Technology in 2005 or earlier but who have not successfully completed one or more old 20 credit modules at level 7 in 2007 will be required to enrol in and successfully complete one extra new 15 credit module to cover any deficit of 5, 10 or 15 credits for one, two or three old 20 credit modules respectively, not successfully completed.
- 1.5. Candidates who begin the Bachelor in Information Technology in semester 2 of 2005 and either:
  - 1.5.1. Complete their semester and attend the 2005/2006 summer school will have completed 5 out of 6 of the normal first year modules and so will continue with the old 20 credit modules to complete their degree. One of the missed 20 credit modules from year one, either ITBT140 or ITBT105, will be included in the candidate's programme of study after consultation with the Programme Manager in semester 1 or semester 2 of 2006 as an additional module; *or*
  - 1.5.2. Complete their semester but do not enrol in summer school will be required to transfer to the new modules for the remainder of the degree. The 3 old 20 credit modules taken in semester 2, 2005 will be credited to ITBT5100, ITBT5110, ITBT5120 and ITBT5198 (the latter an unspecified credit at level 5).

## **2. Admission and Entry**

- 2.1. Consult section 2.8 of the General Programme Regulations on entry to Bachelors degree programmes. Applicants who do not meet those entry requirements may nevertheless be considered for provisional entry (if aged under 20) or special admission (if aged 20 or over): consult the General Programme Regulations clauses 2.4.5 and 2.3.8 respectively. In such cases entry will be dependent on whether candidates demonstrate a reasonable likelihood of success in the programme.
- 2.2. Candidates who have previously gained the award of the Certificate in Computing and Information Technology may be granted entry to the Bachelor of Information Technology programme at the discretion of the Head of School or authorised nominee.
- 2.3. Candidates who have previously gained the award of the National Diploma in Business Computing may be granted entry to the Bachelor of Information Technology programme at the discretion of the Head of School or authorised nominee: see also clause 4.3 of these regulations.

## **3. Transfer of Credit**

- 3.1. The maximum amount of formal transfer of credit which may be granted towards the Bachelor of Information Technology programme shall be 240 credits below Level 7.
- 3.2. Candidates who have previously gained the award of the Certificate in Business Computing or the Diploma in Information and Communications Technology (Level 5) may receive transfer of credit totalling a maximum of 90 credits towards the Bachelor of Information Technology.
- 3.3. Candidates who have previously gained the award of the Advanced Certificate in Business Computing or the Diploma in Business Computing (DipBC) or the Diploma in Information and Communications Technology (Level 6) may receive transfer of credit totalling a maximum of 180 credits towards the Bachelor of Information Technology.
- 3.3. Candidates may receive up to 60 credits of unspecified credits for compulsory modules at level 5 and 6 for modules completed at other tertiary institutions, providing that these modules are relevant to the programme and have been approved by the Programme Committee or delegated authority.
- 3.4. Notwithstanding clauses 3.2 and 3.3 of these regulations, the specific requirements for each candidate's programme of study will be determined on the basis of the particular combination of modules included in the candidate's previous qualifications and the student's performance in those qualifications.
- 3.5 Informal transfer of credit (RPL) is available for this programme to a maximum of 65% of the total credits for the programme.

## **4. Programme Requirements**

- 4.1. Every candidate for the Bachelor of Information Technology shall to the satisfaction of the Academic Board follow a programme of study for a period of normally not less than three years.
- 4.2. Each candidate's programme of study for the Degree shall comprise compulsory and elective modules as listed in section 4 of these regulations, totalling 360 credits, of which at least 90 credits must be at Level 7.
  - 4.2.1. Each candidate shall complete the compulsory modules in group A.
  - 4.2.2. Each candidate shall complete modules totalling at least 45 credits from group B.
  - 4.2.3. In addition, each candidate shall complete further modules totalling no more than 30 credits, which may be chosen from group B and/or group C, or may include modules from other recognised programmes.
- 4.3. Candidates who have been admitted under clause 2.3 of these regulations shall normally complete a programme of study comprising 90 credits. The specific requirements for each candidate's programme of study will be determined on the basis of the particular

combination of modules included in the candidate's previous qualifications and the candidate's performance in those qualifications.

## 5. Schedule of Modules

**Group A** (compulsory modules):

### Level 5

Module Code	Module Title	Pre-requisites	Credits	Level
ITB5100	Fundamentals of Information Technology		15	5
ITB5105	Mathematics for Information Technology		15	5
ITB5110	Communication for Information Technology		15	5
ITB5120	Introduction to Systems Analysis, Design and Implementation	ITB5100	15	5
ITB5125	Introduction to Databases	ITB5100, ITB5120	15	5
ITB5130	Introduction to Programming		15	5
ITB5131	Intermediate Programming	ITB5130	15	5
ITB5145	CISCO CCNA 1		15	5

### Level 6

Module Code	Module Title	Pre-requisites	Credits	Level
ITB6210	Information Technology in the Business Environment	ITB5110	15	6
ITB6220	Object Oriented Analysis and Design	ITB5120	15	6
ITB6225	Intermediate Databases	ITB5120, ITB5125	15	6
ITB6230	Data Structures and Algorithms	ITB5131	15	6
ITB6235	Programming Operating Systems	ITB5131	15	6
ITB6245	CISCO CCNA 2	ITB5145	15	6

### Level 7

Module Code	Module Title	Pre-requisites	Credits	Level
ITB7301	Project	All compulsory level 5 and level 6 modules	45	7

**Group B** (elective Information Technology modules):

Module Code	Module Title	Pre-requisites	Credits	Level
ITB5150	Mechatronics	ITB5105	15	5
ITB6227	Web Programming for e-Commerce	ITB5100	15	6
ITB6233	Multimedia for the Web	ITB5100	15	6
ITB6246	CISCO CCNA 3	ITB6245	15	6
ITB6247	CISCO CCNA 4	ITB6246	15	6
ITB7305	Artificial Intelligence	ITB5105, ITB5131	15	7
ITB7310	Introduction to Research Methods	ITB5105	15	7
ITB7321	Information Systems Management	ITB5120, ITB6210	15	7

ITB7323	Decision Support Systems	ITB5120, ITB6225	15	7
ITB7325	Advanced Databases	ITB6225	15	7
ITB7326	Database Administration	ITB6225	15	7
ITB7327	e-Business Systems	ITB6227	15	7
ITB7330	Professional Programming Practice	ITB6230	15	7
ITB7331	Games Programming	ITB6230	15	7
ITB7334	Advanced Multimedia	ITB6233	15	7
ITB7336	Data Visualisation	ITB6230	15	7
ITB7337	Games Programming I	ITB6230	15	7
ITB7338	Games Programming II	ITB7337	15	7
ITB7345	Advanced Network Technology	ITB6245	15	7
ITB7350	Project Management	ITB5120	15	7
ITB7380	Special Topic: Current Developments in IT	All compulsory level 5 and 6 modules	15	7

**Group C** (elective Non-Information Technology modules):

Modules may be chosen from currently offered level 5 and level 6 modules within Wintec's Bachelor of Business and /or Bachelor of Media Arts, subject to permission from the relevant programme managers and subject to the chosen modules' pre-requisites being satisfied.