

# Bachelor of Computing Systems 2010

Faculty of Business and Computing  
Te Manga Pākihi me te Rorohiko

The Bachelor of Computing Systems (BCS) is a full-time, three year programme (or equivalent part-time) which offers you stimulating studies and provides a pathway to a career in many aspects of Information Technology.

The BCS programme enables graduates to pursue a professional career in a variety of information technology positions including Computer Consultant, Information Systems Manager, Network Support, Project Leader, Systems Analyst, Technician, Web Master and Internet Developer. In particular, the programme is designed to:

- prepare graduates to be effective in a variety of professional roles with expertise in technical components of the discipline
- provide a well defined, relevant, basic curriculum with scope for rapid and flexible adoption as technology advances
- promote professionalism and independence in learning
- provide flexible study modes and the capacity to develop individual study initiatives and directions
- provide components which incorporate problem solving, analysis and research.

There are two entry points per year:

- February
- July

You are welcome to make an appointment to discuss your study options with our staff and to view our facilities.

If you have any questions please feel free to contact us.

Eleanor Brydon, School of Computing Secretary,  
Faculty of Business and Computing  
Phone: (06) 974 8000, ext 5203  
Email: ebrydon@eit.ac.nz



*Te Whare Takiura o Kahungunu*

## FUTURE PATHWAYS/EMPLOYMENT OPPORTUNITIES

---

Graduates will be able to seek employment in a wide variety of positions.

Possible jobs and career opportunities can include:

- Computer Consultant
- Information Systems Manager
- Network Support
- Project Leader
- Systems Analyst
- Technician
- Web Master
- Internet Developer

Graduates could move on to higher level study. Most New Zealand universities accept BCS graduates within their post graduate diploma and masters programmes.

## PROGRAMME SUMMARY

---

<b>Qualification</b>	EIT Degree
<b>Programme Level</b>	Seven
<b>Length</b>	Three years
<b>Study Options</b>	Full-time; Part-time
<b>Hours of Study / Class Times</b>	Classes are scheduled between 8am and 5pm, Monday through Friday
<b>Total Number of Credits</b>	360 credits

## PROGRAMME LENGTH

---

In 2010 the Bachelor of Computing Systems commences on 15 February 2010 and concludes on 26 November 2010.

Classes are scheduled between 8am and 5pm, Monday through Friday.

Timetables will be available on the EIT website [www.eit.ac.nz](http://www.eit.ac.nz) in September/October 2009. If you require a paper copy to be sent out to you please contact the secretary.

SEMESTER 1		SEMESTER 2	
<b>PROGRAMME STARTS</b>	Monday, 15 February 2010	<b>Classes Start</b>	Monday, 19 July
<b>EASTER</b>	Friday, 2 April Tuesday, 6 April	<b>Mid-Semester Holidays</b>	Monday, 27 September - Friday, 8 October
<b>Mid-Semester Holidays</b>	Friday, 2 April - Friday, 16 April	<b>Hawke's Bay Anniversary Day</b>	Friday, 22 October
<b>Queen's Birthday</b>	Monday, 7 June	<b>Labour Day</b>	Monday, 25 October
<b>Semester 1, Final Exam Dates</b>	Monday, 14 June - Friday, 25 June	<b>Semester 2, Final Exam Dates</b>	Monday, 15 November - Friday, 26 November
<b>Semester 1 Ends</b>	Friday, 2 July	<b>PROGRAMME ENDS</b>	Friday, 26 November 2010
<b>Mid-Year Holidays</b>	Monday, 5 July Friday, 16 July		

## STUDENT WORK COMMITMENTS

---

Duration - Semester 1 and 2, 2010	17 weeks each semester.
Hours per week	Usually two one hour lectures and one two hour tutorial per week, per first year course. Contact time reduces in the second and third year.
Individual Study hours	Approximately two hours of individual study for each classroom hour. This increases in year two and three.
Credits per semester - for full-time students	60 credits.
One credit generally equals	10 student learning hours. Learning hours include both classroom and out-of-class hours.

Full-time study requires nine to 16 hours per week of class time and approximately 30 hours per week of self-directed study. Typically, a full-time student will take eight courses per year.

This programme of study includes holiday or study breaks during which there are no scheduled classes. These breaks usually align with school holidays, but this may not always be the case. Students may find it necessary to spend time during non-teaching weeks working on assignments and other study-related tasks set during the teaching weeks.

## ENTRY REQUIREMENTS

---

A personal interview may be part of the application process.  
Applicants must meet one of the following criteria:

### Standard Entry

- A minimum of 42 credits at Level 3 or higher on the National Qualifications Framework, including a minimum of 14 credits at Level 3 or higher in each of two subjects from an approved subject list, with a further 14 credits at Level 3 or higher taken from no more than two additional domains on the National Qualifications Framework or approved subjects **and** a minimum of 8 credits at Level 2 or higher in English or Te Reo Māori; 4 credits must be in Reading and 4 credits must be in Writing **and** a minimum of 14 credits at NCEA Level 1 in Mathematics or Pangarau. The literacy credits will be selected from a schedule of approved achievement standards and unit standards. **or**
- At least 75 Level 2 NCEA credits in one year in best 4 subjects **or**
- Have been awarded a Certificate in Computing Level 3 or equivalent.

### Provisional Entry

- Applicants who do not meet the criteria above, but present evidence of ability to succeed (eg. maturity, life experience, work experience, other study) **or**
- Those who narrowly fail to meet the entry criteria above.

### Please Note

- Entry to subsequent study is conditional on success at the entry level.

### English Language Entry Requirement

Students are required to have attained an acceptable level of English language fluency. This may be demonstrated in a variety of ways, including successful study in English, approved scores on TOEFL (550 with a TWE score of 4) or IELTS (6 Academic) tests, completion of accepted international equivalents, or completion of an EIT Hawke's Bay assessment.

### Entry with Credit

You may already have some knowledge or skills that can be recognised as part of your intended study. This may take a number of different forms including study while at high school, study at a private training establishment, workplace training, other tertiary study, life experiences or voluntary work. If you think you may qualify, you may want to apply for Cross Credit or Recognition of Prior Learning.

- Cross Credit is based on the equivalency of courses or qualifications. You would apply for Cross Credit if you have passed a very similar course at the same level.
- Recognition of Prior Learning (RPL) is based on the assessment of your current knowledge and skills. You would apply for RPL if you had gained the relevant knowledge and skills through life experiences and informal learning situations.

You will be asked to provide details of anything that you would like considered as credit toward your intended programme of study, as part of your application.

**You must apply prior to enrolment.** RPL and Cross Credit cannot be awarded for a course if you are already enrolled in that course. An original transcript or notice of results from the Institution at which you previously studied (or verified copies) will be required for all applications.

For further information and enquiries about RPL and Cross Credit please contact Eleanor Brydon, Faculty of Business and Computing, School of Computing Secretary, telephone (06) 974 8000, ext 5203.

## ACADEMIC STAFF

---

Our lecturers are highly trained professionals with particular areas of expertise in information systems. Staff also maintain contacts with other professionals through organisations such as the New Zealand Computing Society.

We value our partnership with students, and aim to provide quality education in a supportive environment, encouraging personal growth and professional development.

Name	Qualifications
Frina Albertyn	MSc (CS), BSc Hons (CS), BSc (Maths & CS), Higher Ed Dip
Steve Corich	MBS (Communication), BSc, Dip Tch
Kim Hagen	B Com (MSIS), LLB
Owen Giles	M Appl Stats (Hons), BSc (Maths), Dip Tch
John Jamieson	B Tech (Info Tech), N Dip IT
Alistair Atkinson	MBS, Dip Bus Admin, BBS
David Skelton	DrSciEd. MIS, Dip Bus Stud-IS, CALT
Michael Verhaart	PhD, BSc Hons, Dip Tch
Paul Dechering	PhD, MSc

## PRACTICUM / HANDS-ON EXPERIENCE / WORK EXPERIENCE / INDUSTRY-BASED LEARNING

---

The Bachelor of Computing Systems aims to produce graduates who have a broad range of practical skills. The majority of courses have a significant practical component. The compulsory Level 7 Project, which is viewed as the “capstone” of the degree, requires students to undertake analysis and development work for a business client. The project is taken in the last semester of study and is equivalent to 450 hours of work.

## FACILITIES

---

A state-of-the-art Information Technology Complex was completed early in 2003. There are nine networked computer laboratories with 24 student stations in each. The rooms are environmentally controlled, with data show equipment in each room. There are specific labs for software development, hardware, multimedia and a room for computer study. The facility also has a 50-seat tiered lecture theatre.

## PROGRAMME INFORMATION

To qualify for the BCS, students must have passed degree courses at Level 5 to 7 worth 360 credits, including an industry based project course of 45 credits which is taken in the last semester of study. The structure of the degree is summarised in the following table. The courses and their co-requisites and pre-requisites are listed below

Level	5	6	7	5 to 7	Total
Credits	105	90	90	75	360

### YEAR 1

All full-time first year students will be expected to take at least eight Level 5 courses, each worth 15 credits. There are seven compulsory courses at Level 5, and there are a number of optional courses. The seven compulsory courses at Level 5, which are considered to provide an essential knowledge base for any student who wishes to complete the BCS degree are:

- ITSP5.200 Packages
- ITDT5.220 Data
- ITHW5.250 Hardware Basics
- ITOS5.280 Operating Systems
- ITPR5.500 Introduction to Programming
- COMM5.01 Organisational Communication
- ITBS5.210 Business Systems

The courses offered for first year students in 2010 are as follows:

Semester One	Semester Two
<ul style="list-style-type: none"> <li>• ITSP5.200 Packages</li> <li>• ITHW5.250 Hardware Basics</li> <li>• ITPR5.500 Introduction to Programming</li> <li>• ITOS5.280 Operating Systems</li> <li>• ITDC5.230 Data Communications &amp; networking 1</li> </ul>	<ul style="list-style-type: none"> <li>• ITDT5.220 Data</li> <li>• COMM5.01 Organisational Communication</li> <li>• ITBS5.210 Business Systems</li> <li>• ITPR5.510 Introduction to Object Oriented Programming</li> <li>• QUAN5.01 Quantitative Analysis</li> <li>• ITWD5.320 Internet &amp; Web Page Development</li> </ul>

### YEAR 2 and 3

With the exception of ITPJ7.290, the compulsory Level 7 Project, which has a credit value of 45 credits, and ITSD6.340 Systems Analysis and Design 1, which has a credit value of 30 credits, all courses have a credit value of 15 credits. Full-time students are expected to take at least four courses (60 credits) per semester.

There are two compulsory courses at Level 6:

- ITPM6.310 Project Management
- ITSD6.340 Systems Analysis and Design 1

Other Level 6 optional courses that will be offered in 2010 include:

- RESM6.01 Research Methods
- ITDB6.200 Database Management Systems
- ITDC6.210 Data Communications and Networking 2
- ITHW6.230 Hardware Technology
- ITHD6.240 Help Desk
- ITNA6.250 Network Administration and Support
- ITPR6.500 Advanced Object Oriented Programming
- ITPR6.350 User Interface Design
- ITMM6.370 Multimedia
- ITEC6.390 E-Commerce
- ITWD6.400 Advanced Internet & Web Page Development
- ITOS6.600 Operating Systems (Linux)
- ITED6.330 Electronic Design Process and Practice

There is one compulsory course at Level 7: ITPJ7.290 Level 7 Project.

The optional Level 7 courses, which will be offered in 2010 include:

- ITDC7.210 Data Communications & Networking 3
- ITEC7.390 E-Business Strategies
- ITMM7.340 Advanced Multimedia
- ITWD7.350 Web Application Development
- ITIM7.450 Information Technology Management
- ITPR7.500 Business Application Programming
- ITPR7.510 Special Programming Topic
- ITSD7.330 Object Oriented Analysis & Design
- ITSY7.660 Information Systems Security
- ITST7.400 Level 7 Special Topic
- ITOS7.600 Advanced Operating Systems (Linux)
- ITDB7.200 Database Administration
- ITWM7.380 Web Site Hosting & Maintenance

EIT Hawke's Bay reserves the right to change timetables. Courses may be offered in different timeslots or cancelled if there is insufficient enrolment. Textbooks are required for several courses and the cost for textbooks is not included in the course fee.

## COURSE DESCRIPTORS

NB: Courses are offered subject to sufficient enrolments being received.

In the following descriptions P= Pre-requisite - courses which must be studied before

C= Co-requisite - courses which can be studied before or at the same time

The courses we are offering for the Bachelor of Computing Systems programme in 2010 are as follows:

LEVEL 5 Course No.	Brief Description	No. Credits	NZQA Level	Semester Offered
COMM5.01	<b>Organisational Communication</b> To develop students' awareness of the demands of communicating within an organisation, and to enhance their skills as practising communicators in writing, orally and in a variety of interpersonal settings within the business environment.	15	5	2
ITBS5.210	<b>Business Systems</b> To give students an understanding of the business environment in which they will operate as information technology specialists.	15	5	2
ITDC5.230	<b>Data Communications &amp; Networking 1</b> To provide students with a knowledge of the concepts of data communications and networks. <i>C: ITDT5.220 Data</i> <i>ITHW5.250 Hardware Basics</i>	15	5	1
ITDT5.220	<b>Data</b> To provide students with an understanding of the way computers represent data and to give students an introduction to database systems.	15	5	2
ITHW5.250	<b>Hardware Basics</b> To provide students with a good working knowledge of computing devices available today, with an emphasis on personal computing.	15	5	1
ITOS5.280	<b>Operating Systems</b> To provide students with a general understanding of operating systems with the necessary skills to carry out common tasks in single-user and multi-user computer systems.	15	5	1

<b>ITPR5.500</b>	<b>Introduction to Programming</b> To equip students with a good knowledge of an event programming language and sound programming practices. Students will be able to translate a program specification into solutions and code, solve problems, conduct testing of solutions, and fix errors.	<b>15</b>	<b>5</b>	<b>1 &amp; 2</b>
<b>ITPR5.510</b>	<b>Introduction to Object Oriented Programming</b> To equip students with an introductory knowledge of an object-oriented programming language and sound programming practices. Students will be able to design a basic program given a set of requirements using classes for data modelling and then to translate this design into code, using a graphical development environment. <i>P: ITPR5.500 Introduction to Programming</i>	<b>15</b>	<b>5</b>	<b>2</b>
<b>ITSP5.200</b>	<b>Packages</b> To give students practical skills in using office system packages on generic user interfaces	<b>15</b>	<b>5</b>	<b>1</b>
<b>ITWD5.320</b>	<b>Internet &amp; Web Page Development</b> To provide students with a knowledge of the concepts of the Internet and Web page design. <i>P: Packages (ITSP5.200).</i>	<b>15</b>	<b>5</b>	<b>2</b>
<b>QUAN5.01</b>	<b>Quantitative Analysis</b> To introduce students to statistical techniques available for the summarisation, analysis and interpretation of data	<b>15</b>	<b>5</b>	<b>2</b>
<b>LEVEL 6 Course No.</b>	<b>Brief Description</b>	<b>No. Credits</b>	<b>NZQA Level</b>	<b>Semester Offered</b>
<b>ITDB6.200</b>	<b>Database Management Systems</b> To apply the principles of data management with database technology. <i>P: ITSD6.340 - Systems Analysis and Design 1</i>	<b>15</b>	<b>6</b>	<b>2</b>
<b>ITDC6.210</b>	<b>Data Communications &amp; Networking 2</b> To provide students with skills in planning, installing and using data communication facilities, protocols and implementation models. <i>P: ITDC5.230 - Data Communications &amp; Networking 1</i>	<b>15</b>	<b>6</b>	<b>2</b>
<b>ITEC6.390</b>	<b>E-commerce</b> To introduce the concepts of E-commerce and provide the skills necessary to plan and design an E-commerce environment that meets the needs of business. <i>P: ITBS5.200 Business Concepts or MGMT5.01 Introduction to Management ITDT5.220 Data</i>	<b>15</b>	<b>6</b>	<b>1</b>
<b>ITED6.330</b>	<b>Electronic Design Process &amp; Practice</b> To introduce students to basic graphic art design practices, to identify and explore design principles and elements, and to explore visual communication techniques. <i>C: ITWD5.320 Internet &amp; Web Page Development</i>	<b>15</b>	<b>6</b>	<b>2</b>

<b>ITHD6.240</b>	<b>Help Desk</b> To provide students with practice in the techniques for working in a system support role. <i>P: COMM5.01 Organisational Communication ITSP5.200 Packages</i>	<b>15</b>	<b>6</b>	<b>1</b>
<b>ITHW6.230</b>	<b>Hardware Technology</b> To provide students with technical knowledge of a wide range of computers and peripheral devices, and in setting up, changing and troubleshooting various hardware configurations. <i>P: ITHW5.250 Hardware Basics</i>	<b>15</b>	<b>6</b>	<b>2</b>
<b>ITMM6.370</b>	<b>Multimedia</b> To provide students with a knowledge of the issues pertaining to the design of Multimedia applications and the tools used to create a multimedia application for the use in a commercial or education field <i>P: ITSP5.200 - Packages</i>	<b>15</b>	<b>6</b>	<b>2</b>
<b>ITNA6.250</b>	<b>Network Administration &amp; Support</b> To provide students with supervisor level skills and knowledge of simple configurations for a range of current local area networks. <i>P: ITDC5.230 - Data Comms and Networking 1 ITOS5.280 - Operating Systems</i>	<b>15</b>	<b>6</b>	<b>2</b>
<b>ITOS6.600</b>	<b>Operating Systems (Linux)</b> To provide students with a general understanding of a UNIX (Linux) type operating system and to provide them with the necessary skills to install and carry out administrative tasks in single-user and multi-user computer installations. <i>P: ITOS5.280 Operating Systems C: ITHW5.250 Hardware basics</i>	<b>15</b>	<b>6</b>	<b>2</b>
<b>ITPM6.310</b>	<b>Project Management</b> To enable students to specify the requirements for project planning; to use project management techniques and tools to monitor and control projects, using project management software and applying quality control techniques. <i>P: ITBS5.210 Business Systems OR MGMT5.01 Introduction to Management</i>	<b>15</b>	<b>6</b>	<b>1 &amp; 2</b>
<b>ITPR6.350</b>	<b>User Interface Design</b> To provide students with knowledge of the requirements of user interface design by using software to develop usable forms, prototype systems and develop on-line documentation. <i>P: ITSP5.200 Packages</i>	<b>15</b>	<b>6</b>	<b>1</b>
<b>ITPR6.500</b>	<b>Advanced Object Oriented Programming</b> To enable students to learn how to design and develop software using all the facilities of an object-oriented programming language. This course covers object-oriented design using graphical modelling methods and all the object-oriented language concepts. Students will also learn to work with standard class libraries. <i>P: ITPR5.510 - Introduction to Object Oriented Programming</i>	<b>15</b>	<b>6</b>	<b>1</b>

<b>ITSD6.340</b>	<b>Systems Analysis &amp; Design 1</b> To enable students to analyse simple and complex systems, identify requirements, and document design solutions using appropriate methods, tools and standards. To introduce standard concepts of modelling, and to enable students to develop and document simple and complex solutions using analysis, design and modelling techniques. <i>P: ITSP5.200 Packages OR ITSP5.01 Information Systems Principles; ITBS5.210 Business Systems OR (MGMT5.01 Introduction to Management AND ACCY5.01 Introduction to Accounting); ITDT5.220 Data;</i>	<b>30</b>	<b>6</b>	<b>1 &amp; 2</b>
<b>ITWD6.400</b>	<b>Advanced Internet &amp; Web Page Development</b> To provide students with knowledge of the concepts of client-side Web development, including HTML tags, forms, XML, client-side scripting and Web site management. <i>P: ITWD5.320 - Internet &amp; Web Page Development</i>	<b>15</b>	<b>6</b>	<b>1</b>
<b>RESM6.01</b>	<b>Research Methods</b> To introduce a range of research methods employed by researchers and practitioners in business disciplines. This course explores the principles of scientific methods, examines the research process and research design, the analysis and evaluation of data sets and the preparation and writing of research material. <i>P: QUAN5.10 - Quantitative Analysis</i>	<b>15</b>	<b>6</b>	<b>1</b>
<b>LEVEL 7 Course No.</b>	<b>Brief Description</b>	<b>No. Credits</b>	<b>NZQA Level</b>	<b>Semester Offered</b>
<b>ITDB7.200</b>	<b>Database Administration</b> To provide students with the practical database administration skills required as a Database Administrator. <i>P: ITDB6.220 Database Management Systems</i>	<b>15</b>	<b>7</b>	<b>1</b>
<b>ITDC7.210</b>	<b>Data Communications &amp; Networking 3</b> To provide students with practical skills in router based and switched networking environments. Students will apply the knowledge from Data Communications Networking 1 and 2 to design, implement and configure networks using modern data communications tools and equipment. <i>P: ITDC6.210 - Data Communications &amp; Networking 2</i>	<b>15</b>	<b>7</b>	<b>1</b>
<b>ITEC7.390</b>	<b>E-Business Strategies</b> To evaluate and analyse the drivers for successful e-business strategies for organisations. Case studies will allow practical experience. <i>P: ITEC6.390 E-Commerce</i> <i>Recommended: ITWD6.400 Adv Internet &amp; Web Page Development</i>	<b>15</b>	<b>7</b>	<b>2</b>
<b>ITIM7.450</b>	<b>Information Technology Management</b> To provide students with knowledge and skills for developing information technology plans for organizations. To enable students to understand IT management concepts and issues. <i>P: ITSD6.340 - Systems Analysis and Design</i>	<b>15</b>	<b>7</b>	<b>1</b>

<b>ITMM7.340</b>	<b>Advanced Multimedia</b> To provide students with knowledge of the issues pertaining to the design of Multimedia applications and the tools used to create a multimedia application for use in a commercial or education field <i>P: ITMM6.370 - Multimedia</i>	<b>15</b>	<b>7</b>	<b>1</b>
<b>ITOS7.600</b>	<b>Advanced Operating Systems (Linux)</b> To provide students with a technical insight into the UNIX (Linux) Architecture as well as providing the skills necessary to optimise the UNIX (Linux) kernel and implement security measures within the UNIX (Linux) environment. <i>P: ITOS6.600 - Operating Systems (Linux)</i>	<b>15</b>	<b>7</b>	<b>1</b>
<b>ITPJ7.290</b>	<b>Level 7 Project</b> To enable students to apply the skills gained during their computing studies in a business environment. The project or internship placement will provide students with an opportunity to research, select, integrate and apply a range of techniques and technology within the IT sector. <i>P: IRPP6.310 - Project Planning and Control, ITSD6.340 - Systems Analysis and Design 1</i>	<b>45</b>	<b>7</b>	<b>1 &amp; 2</b>
<b>ITPR7.500</b>	<b>Business Application Programming</b> To provide students with the opportunity to program a full business application from provided user specifications. <i>P: ITPR5.510 - Introduction to object oriented programming ITPR6.350 - User interface design C: ITSD6.340 - Systems Analysis &amp; Design 1</i>	<b>15</b>	<b>7</b>	<b>2</b>
<b>ITPR7.510</b>	<b>Special Programming Topic</b> To Develop an artefact or research report in a specialised programming area. <i>P: ITPR6.500 - Advanced Object Oriented Programming C: As determined by the programme committee</i>	<b>15</b>	<b>7</b>	<b>1</b>
<b>ITSD7.330</b>	<b>Object Oriented Analysis &amp; Design</b> To introduce students to the principles and concepts of object-orientated analysis and design and to apply these to a scenario using the appropriate UML diagrams. <i>P: ITSD6.340 - Systems Analysis and Design 1</i>	<b>15</b>	<b>7</b>	<b>2</b>
<b>ITST7.400</b>	<b>Level 7 Special Topic</b> To provide an avenue for students to conduct research into an approved information systems topic that is not covered by an existing level 7 course. <i>P: RESM6.01 Research Methods Any other pre-requisites as determined by the programme committee C: As determined by the programme committee.</i>	<b>15</b>	<b>7</b>	<b>2</b>
<b>ITSY7.660</b>	<b>Information Systems Security</b> To provide students with an overview for information systems security concepts and the need to identify security risks and make contingency plans and policies. <i>P: Either ITNA6.250 Network Administration and Support or ITDC6.210 Data Communications and Networking 2</i>	<b>15</b>	<b>7</b>	<b>2</b>

<b>ITWD7.350</b>	<b>Web Application Development</b> The aim of this course is to provide students with knowledge and skills for developing client-server web-based applications in the Intranet / Internet. <i>P: ITWD6.400 Advanced Internet &amp; Web Development, ITDT5.220 Data ITPR5.500 Introduction to Programming</i>	<b>15</b>	<b>7</b>	<b>1</b>
<b>ITWM7.380</b>	<b>Web Site Hosting &amp; Maintenance</b> To allow students to demonstrate the skills necessary to design, develop, configure and maintain the infra structure of a dynamic Web Site. <i>P: ITWD5.230 Internet and Web Development ITNA6.250 Network Administration and Support</i>	<b>15</b>	<b>7</b>	<b>1</b>

For further information about course content, please contact the School of Computing Secretary, on (06) 974 8000, ext 5203.

## DEGREE ELECTIVES

---

A list of Degree Electives from other degree programmes as elective courses is available. Please call the EIT Infoline on (06) 974 8918 or 0800 CALL EIT (22 55 348)

## ASSESSMENTS

---

All assessments for the Bachelor of Computing Systems courses are marked internally. Assessments consist of examinations, assignments, tests, practical demonstrations and projects.

Assessment is continuous throughout the semester, with two weeks of examinations at the end of each semester.

## TRANSFERS /CROSS CREDITS

---

This qualification has been approved by the New Zealand Qualifications Authority.

## ACCREDITATION

---

The Eastern Institute of Technology (EIT Hawke's Bay) is an accredited tertiary education provider under the provisions of the Education Act 1989.

## FEES/COSTS

---

**Please note:**

- All costs quoted include GST
- These fees apply to NZ Citizens and NZ Permanent Residents only.

Course Fees (Approximately)	\$4488 per year or \$561 per 15 credit course except COMM5.01, QUAN5.01 and RES6.01 which cost \$494 per course \$1,122 (per 30 credit course) \$1,683 (per 45 credit course)
Please see separate section below for information on fees for International students.	

## ADDITIONAL COSTS

\$120 approximately	(per course) for textbooks. (Booklists will be distributed before the start of your programme).
\$120 approximately	for stationery.
Upon completion of the degree studies, students who wish to attend the graduation ceremony will be required to hire academic regalia.	

EIT Hawke's Bay expects student fees to be paid at least one week prior to the start of the programme.

## STUDENT FINANCE

---

### Student Loans and Allowances

Financial assistance for full-time and some part-time students is available through the Student Loan scheme. Some students may also be eligible for Student Allowances. Student Loans and Allowances are administered by Studylink, a service provided by the Ministry of Social Development. For more information and application forms please contact:

**STUDYLINK on 0800 88 99 00 or online at [www.studylink.govt.nz](http://www.studylink.govt.nz)**

**Note:** International students are not eligible to apply for StudyLink Student Allowances (see over the page)

### Training Incentive Allowances

Students who have applied to the Department of Work and Income New Zealand for a Training Incentive Allowance must ensure fees are paid prior to the programme start date or we ask that a confirmation of fees letter be handed to the Enrolment Officers.

### Scholarships and Grants

You may be eligible to apply for a wide variety of different funding options. Many scholarships or grants are available to new and returning EIT Hawke's Bay students. Each scholarship or grant lists different criteria, such as gender, age or previous experience. To find out more about what is available for you, please call the EIT Infoline on 0800 22 55 348 or visit our website [www.eit.ac.nz](http://www.eit.ac.nz).

## YEAR 13 DEGREE STUDY GRANT

---

A scholarship will be available to every Hawke's Bay 2009 Year 13 Secondary School graduate who wishes to commence study for a degree at EIT in February 2010.

- 100% FREE tuition for Year One.
- 50% FREE tuition for Year Two (subject to applicants meeting agreed standards).
- Charges that are the student is responsible for are: Students' Association Fees, Course Related Costs, and fees for any extra courses over the equivalent of full-time study.

Applicants must:

- undertake full-time degree study at EIT in February 2010.
- be a 2009 Year 13 graduate from a secondary school in the Hawke's Bay region from Dannevirke to Wairoa, or from a school in Taupo or Gisborne\*. (\*Six degree programmes only are available to students from Gisborne).
- meet the EIT Year 13 degree entry criteria to be eligible.
- be a New Zealand resident.

## APPLICATION PROCESS

---

Successful applicants will receive a letter of acceptance from the appropriate Faculty. Please contact the Registry Manager on (06) 974 8000, ext 6026 if you wish to discuss enrolment fee payment arrangements.

Please refer to the chart over the page.

## INTERNATIONAL STUDENTS

---

If you do not have permanent residency in New Zealand, there is a different application form and application process and fee structure applies. Please contact the International Section on telephone +64 6 974 8902 for the correct application form and for further information regarding fees.

## DISCLAIMER

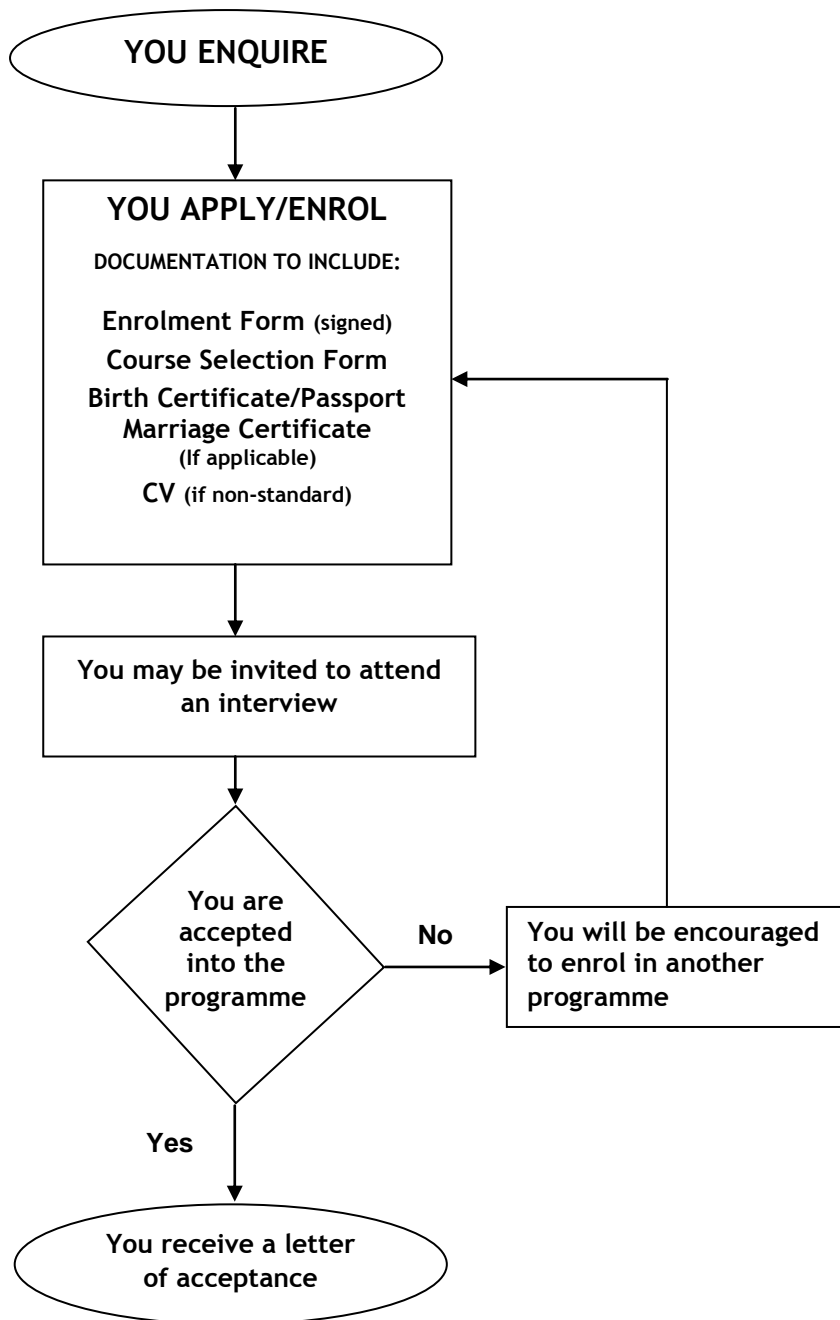
---

Information contained in this publication is correct at the time of printing, but may be subject to change. While all reasonable efforts will be made to ensure listed programmes/courses are offered and regulations are current, the Institute reserves the right to change content or method of delivery, to withdraw any programme or course of study, or to impose limitations on enrolment, should circumstances require this.

Some programmes/courses mentioned in EIT publications are offered subject to final approval and accreditation or sufficient enrolments being received.

For the latest information visit our website at [www.eit.ac.nz](http://www.eit.ac.nz)

## ENROLMENT PROCESS FLOWCHART



Timetables will be available on the website from September/October, 2009

## Bachelor of Computing Systems Year 1

	7:00	7:30	8:00	8:30	9:00	9:30	10:00	10:30	11:00	11:30	12:00	12:30	13:00	13:30	14:00	14:30	15:00	15:30	16:00	16:30
Mon							Hardware Basics - Lecture Jamieson, J C117		Operating Systems – Lecture Atkinson, A C117				Data Communications & Networking 1 - Lecture Dechering, P M101							
Tue					Hardware Basics - Lecture Jamieson, J A101		Introduction to Programming - Practical Gp B Albertyn, F C312		Introduction to Programming - Practical Gp A Albertyn, F C315				Data Communications & Networking 1 - Tutorial Gp B Dechering, P C316		Data Communications & Networking 1 - Tutorial Gp A Dechering, P C316		Introduction to Programming - Lecture Albertyn, F M100			
Wed					Packages - Practical Gp A Giles, O C214		Operating Systems – Lab Gp B Atkinson, A C316		Operating Systems - Lab Gp A Atkinson, A C316				Introduction to Programming - Practical Gp B Albertyn, F C312							
Thu					Packages - Practical Gp B Giles, O C214		Operating Systems - Lab Gp B Atkinson, A C316													
					Operating Systems - Lab Gp A Atkinson, A C316		Introduction to Programming - Practical Gp A Albertyn, F C213						Data Communications & Networking 1 - Lecture Dechering, P R112							
Fri							Hardware Basics - Practical Gp B Jamieson, J C320						Packages - Practical Gp B Giles, O C314							
							Packages - Practical Gp A Giles, O C213						Hardware Basics - Practical Gp A Jamieson, J C320							

**At the time of publication the information in this timetable was deemed to be correct. Timetable information is updated daily.  
Please note that the Eastern Institute of Technology reserves the right to change this information without prior notice.**



Te Whare Takiura o Kahungunu

**BACHELOR OF COMPUTING SYSTEMS  
YEAR ONE COURSE SELECTION FORM**

Please complete and return this Course Selection Form. Your selection will be confirmed by separate letter.

**NB:** Courses are offered subject to sufficient numbers applying.

**FULL NAME:** \_\_\_\_\_

**ADDRESS:** \_\_\_\_\_

**PHONE #:** Home: \_\_\_\_\_ Business: \_\_\_\_\_

**PRE REQUISITE:** Before enrolling you must have passed the course(s) given as a pre-requisite.

**CO REQUISITE:** In order to enrol, you must have passed or be concurrently enrolled in the course (paper) given as a co-requisite.

**SEMESTER ONE CLASSES COMMENCE WEEK BEGINNING 15 February 2010**

COURSE	CREDITS	COMPULSORY
ITPR5.500\1 Intro to Programming	15 Credits	<input checked="" type="checkbox"/>
ITSP5.200\1 Packages	15 Credits	<input checked="" type="checkbox"/>
ITOS5.280\1 Operating Systems	15 Credits	<input checked="" type="checkbox"/>
ITHW5.250\1 Hardware Basics	15 Credits	<input checked="" type="checkbox"/>
ITDC5.230\1 Data Communications & Networking 1	15 Credits	

**SEMESTER TWO CLASSES COMMENCE WEEK BEGINNING 19 July 2010**

COURSE	CREDITS	COMPULSORY
COMM5.01\2 Organisational Communication	15 Credits	<input checked="" type="checkbox"/>
ITBS5.210\2 Business Systems	15 Credits	<input checked="" type="checkbox"/>
ITDT5.220\2 Data	15 Credits	<input checked="" type="checkbox"/>

**Plus one of the following:**

COURSE	CREDITS	CHOICE (Please Tick)
ITWD5.320\2 Internet & Web Page Development Pr-Requisite: ITSP5.200 Packages	15 Credits	<input type="checkbox"/>
ITPR5.510\2 Intro to Object Oriented Programming Pre-Requisite: ITPR5.500 Introduction to Programming	15 Credits	<input type="checkbox"/>
QUAN5.01\2 Quantitative Analysis	15 Credits	<input type="checkbox"/>