

Bachelor of Information Technology

Bachelor of Information Technology degree is to equip students with a recognised, flexible and applied information technology qualification using a selection of practical courses strongly aligned with industry needs to ensure work-ready graduates equipped with skills and knowledge required for a range of IT-related positions or for further study at postgraduate level.

Graduates of the Bachelor of Information Technology will have developed an effective level of knowledge and understanding of the application of Information Technology in the workplace.

Qualification code OP7091

Level >	Credits > 360
Workload >	Allow 10-12 hours of study per credit. Your workload may be higher around assessment due dates.
Study type >	Trimester.
Cost >	See the qualification page on the website
Student loan >	You can get a student loan for this qualification if you meet the criteria. Visit studylink.govt.nz for more information.

Career Opportunities

With this degree, you will become a confident practitioner of information technologies. Specifically, you will gain specialist knowledge in software development, web technologies, database systems, and other new and emerging technologies.



How to apply

The programme is made up compulsory and elective courses, and can be studied full or part time. Go to the "Choose Courses" tab on the qualification page on our website. You'll be taken through our step-by-step enrolment process which you can save and exit from at any time.

Qualification structure

Each of the courses in the BIT (except BIT701 – IT Project) are 20 credits, and therefore you may need to do three courses to be a full time student. Your first course(s) should be BIT503, BIT502, BIT501 in that order.

This programme is made up of compulsory and elective courses. To achieve the degree, you will need to complete 360 credits made up of 120 credits at Levels 5, 6 and 7. Go to the qualification page on our website and click on each course for a full description and availability. All courses are 20 credits except IT project, which is of 40 credits.

Course Code	Course Name	Level
COMPULSORY GROUP		
BIT501	Business Concepts & Communications	5
BIT502	Fundamentals of Programming	5
BIT503	Fundamentals of Information Technology	5
BIT504	Programming I	5
BIT505	Introduction to Software Development	5
BIT507	Fundamentals of Systems Analysis and Design	5
BIT601	System Analysis and Design	6

BIT602	Project Management	6
BIT604	Database	6
BIT701	IT Project (40 Credits)	7
ELECTIVE GROUP (140 CREDITS ARE REQUIRED)		
BIT603	Programming II	6
BIT605	Data Structure and Algorithms	6
BIT606	Testing	6
BIT607	Web Development	6
BIT608	Web Programming	6
BIT702	Interaction Design	7
BIT703	Web Technologies	7
BIT704	Advanced Database	7
BIT705	Current and Emerging Technologies	7
BIT706	Programming III	7
BIT707	Software Engineering	7

Graduate profile

Graduates of the Bachelor of Information Technology will have developed an effective level of knowledge and understanding of the application of Information Technology in the workplace. They will have the ability to:

- Critically evaluate key information technology concepts and techniques to help resolve information technology related problems in a range of contexts
- Manage information technology projects, demonstrating an effective level of proficiency in achieving the specified requirements
- Plan, develop, implement, and manage information technology systems to meet specific market or organisational needs
- Identify workplace requirements by selecting and implementing an appropriate software application-based information technology solution
- Apply the knowledge and skills of either software development or web development, to address workplace needs
- Identify the ethical, social and legal issues associated with the development and application of information technology systems in the workplace

- Adapt resourcefully in a rapidly changing information technology environment and to operate knowledgeably, productively and professionally in producing the specified outcomes
- Communicate information, arguments, ideas and issues clearly and effectively as appropriate in information technology and business settings
- Demonstrate the personal, interpersonal and professional skills necessary for self-management as well as engendering co-operation in a team environment.

Entry requirements

To enrol in this programme you must have:

- New Zealand University Entrance (visit nzqa.govt.nz for details), or
- Hold other certificate or diploma qualifications as considered appropriate by the Programme Leader, or equivalent.

20 years old or over

If you are 20 years of age or over and do not hold the minimum entry requirements you will be eligible to be enrolled where your previous educational, work or life experience indicates you have a reasonable likelihood of success.

English language requirements

International students must also have an IELTS (Academic) score of 6.0 with no band score lower than 5.5, or equivalent.

Domestic students for whom English or Māori is not their first language must also have an IELTS (Academic) score of 6.0 with no band score lower than 5.5, or equivalent.

Visit openpolytechnic.ac.nz/englishlanguage to view our English language criteria.

IT project requirements

BIT701 IT Project, a compulsory course for all students in this programme, is a learning experience that occurs in a professional context.

To do this course you need to identify and negotiate an agreement to conduct a project with a host organisation or employer.

Computer and online access

This programme is delivered 100% online. To complete this programme you will need access to a laptop or desktop computer, reliable broadband internet connection and a data plan able to support online learning such as streaming of videos (including YouTube), downloading content, and writing and submitting online assessments. If you are unsure if your current computer or internet access allows you to complete your online learning with us, please contact us before applying to enrol.

Visit openpolytechnic.ac.nz/online to view our online learning and study tools.

International students and domestic students living overseas

You can study this programme part-time if you're an international student living in New Zealand. You will need to be in paid employment with a valid work permit.

You can study this programme if you're an international student living overseas, or a domestic student living overseas subject to agreement of suitable arrangements for project work.

Visit openpolytechnic.ac.nz/internationalstudent for more information about the special conditions and fees that you'll need to meet.