

PATHWAYS

Articulation is the creation of links or study pathways to enable students to move easily between courses as their needs change. Victoria University has a commitment to actively promote and maintain these articulation pathways. Articulation gives students the opportunity to progress to another level of study and to receive maximum credit transfer for study already taken.

Provision will be made for articulation from TAFE information technology programs with appropriate credit. For further details regarding articulation such as recognition of prior learning or credit transfer in relation to this course, please contact the Course Co-ordinator.

HOW DO I APPLY?

Applications should be made through VTAC:
40 Park Street, South Melbourne, 3205.
Phone: 03 9690 7977
Web: www.vtac.edu.au

NEED MORE INFORMATION?

Contact the Selection Officer on
Phone: 03 9919 4839
Email: dan.nelson@vu.edu.au

INTERNATIONAL STUDENTS

For specific information relating to courses available, entry requirements and application procedures for international students, please visit www.vu.edu.au/international for an updated list of courses offered to international students or contact Victoria University International (VUI) on + 61 3 9919 1164.

CONTACT US

FACULTY OF HEALTH, ENGINEERING AND SCIENCE

SCHOOL OF ENGINEERING AND SCIENCE

VICTORIA UNIVERSITY
FOOTSCRAY PARK CAMPUS
PO BOX 14428 MELBOURNE VIC 8001
PHONE 03 9919 4703
FAX 03 9919 4908

OR

FACULTY OF HEALTH, ENGINEERING AND SCIENCE

STUDENT ADMINISTRATION
PHONE 03 9919 4516
FAX 03 9919 4908

OR

VISIT THE WEBSITE
WWW.VU.EDU.AU

CRICOS Provider No. 00124K

INFORMATION TECHNOLOGY

(NETWORK AND SYSTEMS COMPUTING)



This publication is an information document for future students of Victoria University, every reasonable effort has been made to ensure that the information in this document is accurate. However, it may be subject to change. 3639.07.10.

BACHELOR OF INFORMATION TECHNOLOGY IN NETWORK AND SYSTEMS COMPUTING

COURSE CODE: SBNS VTAC CODE: 40811

COURSE DESCRIPTION

This course is in a forward-looking area of networks and systems. It is current, relevant and will prepare students for IT industry certifications in the fields of networking, databases, and systems administration. The course will equip students with the skills and support required to gain an entry level position within the IT industry, filling a growing market need for graduates skilled in systems administration with networking expertise.

COURSE OBJECTIVES

The degree is designed to produce graduates who will have a strong industry focus gained through relevant workplace experience in the program combined with an industry capstone project in the final year. The degree will:

- provide a solid foundation in information technology skills and knowledge that can be applied across a wide range of applications;
- provide an infrastructure through which students can gain technical, analytical, and managerial knowledge and interpersonal skills, and develop skills and abilities important for effective participation and leadership in industry;
- emphasise a hands-on approach to learning and create real-world learning experiences with a strong industry focus;
- facilitate preparation for industry certifications from large reputable vendors;
- offer a solid preparation for different careers in the field of network and systems computing in sectors including government, banking and finance, retail, and manufacturing;
- engage students in lifelong learning and professional development activities that will equip the students as graduates with a competitive edge in their chosen career paths.

WHERE DO I STUDY?

This course is offered at the Footscray Park Campus.

COURSE DURATION

This course is offered over 3 years on a full-time basis (or part time equivalent).

COURSE MODE OF DELIVERY

Face to face, online, and workplace learning.

WHAT'S IN IT FOR ME?

Completion of the course will prepare graduates for roles such as computing and network support, web-based programming, networking and systems administration, system security consultancy, database administration, business analysis, and project management in sectors including government, banking and finance, retail, and manufacturing.

HOW DOES IT WORK?

This course is offered over 3 years on a full-time basis (or part time equivalent). The entire course can be completed on a part time basis, provided it is completed within ten years. The course is designed to provide an educational standard and vocational skill which will enable graduates to undertake professional practice in the discipline of Networking and Computing. Graduates are provided with a basis to progress through postgraduate studies, continuing education courses and participate in learned society endeavours.

FIRST YEAR

ECB1131
ECB1121
ECB1111
ECB1151

SEMESTER ONE

Computer Network Concepts
Programming Principles
Introduction to Computer Systems
Communication & Information Management, or an approved elective

FIRST YEAR

ECB1232
ECB1222
ECB1223
ECB1252

SEMESTER TWO

Network Communications & Routing
Web Design & Programming
Introduction to Systems Analysis & Databases
Introduction to the Computing Profession

SECOND YEAR

ECB2123
ECB2112
ECB2113
ECB2124

SEMESTER ONE

Programming for Networks
Security, Privacy and Ethics
Operating Systems
Web-based Systems Development

SECOND YEAR

ECB2234
ECB2241
ECB2225
ECB2253

SEMESTER TWO

Network Security
Wireless Networks
Multi-user Database Systems
IT Project Management

THIRD YEAR

ECB3142
ECB3143
ECB3135
ECB3154

SEMESTER ONE

Active Directory Design & Management
Network Management
Server Administration & Maintenance
Computing Project Analysis & Design

THIRD YEAR

ECB3244
ECB3214
ECB3255
ECB3256

SEMESTER TWO

Advanced Network Technologies
Virtualisation in Computing
Small IT Business Development
Computing Project Development & Implementation

HOW DO I GET IN?

The prerequisite subjects for admission into the first year of the course are based on entry at post Year 12, Victorian Certificate of Education, or equivalent level and are as follows: Units 3 & 4 – study score of at least 20 in English (any) and in mathematics (any). Completing information technology (any) leads to an aggregate of 3 points higher per study, to a maximum of 6 points.

Persons transferring from other courses or having overseas or other entrance qualifications of at least equivalent standard should apply for admission in the normal manner. Full-fee paying international students must have qualifications which are equivalent to those listed above. In addition, they must provide evidence of proficiency in the English language:

- IELTS - an overall band score of 6+, subject to individual profile; or
- TOEFL - a score of 550+, and a Test of Written English (TWE) score of 5+.

ALTERNATIVE ENTRY

Bachelor of Science VTAC Code 41451

Alternative entry program for students who have:

- successfully completed year 12 with the required prerequisites, but may not have achieved the required study score in all prerequisites or
- have not studied the required mathematics prerequisite.

All admissions are on an individual basis.

Prerequisites: Units 3 and 4 – English (any) and Mathematics (any).

Extra Requirements: All applicants offered a place will be required to attend an appropriate summer bridging program or enrol in one or more subjects from the Foundation Year or undertake part or all of an appropriate TAFE program.

FOUNDATION YEAR

This is a one-year full time course for students whose VCE results or subjects were unsatisfactory to gain entry to a science or engineering course at university or for those who want to return to study. Subjects covered are biology, chemistry, English language and communication skills, information technology, mathematics and physics. Maths and English subjects are compulsory but an English test may exempt some students from English.

Successful completion of appropriate subjects will guarantee students entry to our Health, Engineering and Science courses at Victoria University. Entry to Double Degree courses will only be looked at on an individual basis for students who obtain excellent results. Applications must be made directly to Victoria University, not through VTAC.