Bachelor of Information Technology

includes:

Bachelor of Information Technology

The Bachelor of Information Technology prepares students for a wide range of careers within the information technology industry. The course teaches key technology and workplace skills, including programming, database design and management, systems analysis and design, project management, IT ethics and information security. Students choose to specialise in network engineering, systems administration, business analysis, or software design and development. Students also complete an information technology project relevant to their specialisation. This course has accreditation from the Australian Computer Society at the professional highest level.

The course includes the following awards:

Bachelor of Information Technology *BInfoTech*

Bachelor of Information Technology (Business Analysis) *BInfoTech(BusAnlys)*

Bachelor of Information Technology (Network Engineering) *BInfoTech(NetEng)*

Bachelor of Information Technology (Software Design and Development) *BInfoTech(SoftwareDsgn&Dev)*

Bachelor of Information Technology (Systems Administration) *BInfoTech(SysAdmin)*

Course Study Modes and Locations

Bachelor of Information Technology (2414IT)

Distance Education - Albury-Wodonga
On Campus - Albury-Wodonga
On Campus - CSU Study Centre Melbourne
On Campus - CSU Study Centre Sydney
On Campus - Wagga Wagga

Availability is subject to change, please verify prior to enrolment.

Normal course duration

Bachelor of Information Technology

Full-time 3.0 years (6.0 sessions)

Normal course duration is the effective period of time taken to complete a course when studied Full-time (Full-time Equivalent: FTE). Students are advised to consult the Enrolment Pattern for the actual length of study. Not all courses are offered in Full-time mode.

Admission criteria

CSU Admission Policy

The admission criteria for students entering the Bachelor of Information Technology:

- NSW HSC ATAR equal to or greater than the minimum approved by the Academic Senate, or equivalent;
  or
- Completion of the NSW HSC (or equivalent) with strong performances in subjects in the Information Technology area;
  or
- Successful completion of at least 2 appropriate standard IT university-level subjects;
  or
- For recent school leavers, a report from the School Principal, equivalent to that used in the PREP (Principals' Report Entry Program), recommending the applicant as well-suited for university study;
  or
- Appropriate professional certifications;
  or
- 2 years relevant professional IT work experience (i.e. in areas such as programmer, analyst, systems administration, help desk, network support but NOT clerical roles such as data entry or secretarial);
  or
- A completed AQF Certificate III in Information Technology (including any specialisation of Information Technology) or a completed AQF Certificate III in an area related to Information Technology.

International applicants must also meet the CSU admission requirements in terms of English language requirements.

Credit

CSU Credit Policy

No special arrangements apply

Graduation requirements

To graduate students must satisfactorily complete 192 points.

Course Structure

The course structure consists of:

- a core of 10 subjects
- a specialisation of 8 subjects
- 6 unrestricted elective subjects

Core subjects

ITC105 Communication and Information Management
ITC106 Programming Principles
ITC114 Database Management Systems
ITC133 Customer Support Management
ITC161 Computer Systems
ITC211 Systems Analysis
ITC212 Internet Technologies
ITC218 ICT Project Management
ITC331 Ethics & Professional Practice
ITC358 IT Security

Specialisations

Software Design & Development specialisation

ITC203 Object Oriented Systems Analysis and Design
ITC205 Professional Programming Practice
ITC206 Programming in Java 1
ITC303 Software Development Project 1
ITC309 Software Development Project 2
ITC313 Programming in Java 2

And, either any two of the following subjects

ITC204 Human Computer Interaction
ITC209 Mobile Application Development
ITC322 Data Structures
MGT230 Ethics, Sustainability and Culture

Or two other appropriate ITC subjects, relevant to the specialisation and to the BIT course as

a whole, as approved by the Course Director.

Network Engineering specialisation

ITC233Computer Networks
ITC254Wireless Networks
ITC306Project Preparation
ITC308IT Project
ITC354Routing and Switching
ITC355Network Design

And, either any two of the following subjects

ITC240IT Infrastructure Management
ITC314Virtualisation Technologies
ITC333Server Administration & Maintenance
MGT230Ethics, Sustainability and Culture

Or two other appropriate ITC subjects, relevant to the specialisation and to the BIT course as a whole, as approved by the Course Director.

Systems Administration specialisation

ITC232Technical Service Management
ITC233Computer Networks
ITC306Project Preparation
ITC308IT Project
ITC314Virtualisation Technologies
ITC333Server Administration & Maintenance

And, either any two of the following subjects

ITC204Human Computer Interaction
ITC240IT Infrastructure Management
ITC254Wireless Networks
MGT230Ethics, Sustainability and Culture

Or two other appropriate ITC subjects, relevant to the specialisation and to the BIT course as a whole, as approved by the Course Director.

Business Analysis specialisation

MGT100Organisations and Management
ITC204Human Computer Interaction

ITC306Project Preparation
ITC308IT Project
MGT210Organisational Behaviour
MGT310Service Operations Management

And, either any two of the following subjects

ITC203Object Oriented Systems Analysis and Design
ITC240IT Infrastructure management
ITC254Wireless Networks
ITC314Virtualisation Technologies
MGT230Ethics, Sustainability and Culture

Or two other appropriate ITC subjects, relevant to the specialisation and to the BIT course as a whole, as approved by the Course Director.

Practice Experience

Particular emphasis is placed on the importance of practical experience and all teaching involves industry standard hardware, software, methods and techniques. Final year students investigate, design and implement a substantial computer application to address a practical real world problem in the chosen area of specialisation.

Integrated Program with Riverina TAFE
An integrated program is available for students studying the Diploma of IT (Networking) and the Advanced Diploma of IT (Network Security) through Riverina TAFE. Students will also concurrently study selected subjects in the Bachelor of Information Technology at either the Albury or Wagga CSU campus. Students who complete the full integrated program will graduate with the following awards and industry certifications:

- Certificate III in Information, Digital Media and Technology (Network Administration)
- Certificate IV in Information Technology (Networking)
- Diploma of Information Technology (Networking)
- Advanced Diploma of Information Technology (Network Security)
- Cisco CCNA Routing and Switching certification

Students of the integrated program can optionally choose to sit for the following industry certifications:

- CompTIA A+ certification
- EC Council Certified Ethical Hacker certification

Please note that additional costs will apply for undertaking the industry certifications.

Credits will be granted into the Bachelor of Information Technology for completion of the TAFE component of the course. The BIT TAFE integrated program can be completed in 3 years by full-time study.

Enrolment Pattern

Full-time

If commencing at the start of a calendar year

Session 1

ITC105Communication and Information Management
ITC106Programming Principles
ITC161Computer Systems
Elective 1

Session 2

ITC114Database Management Systems
ITC133Customer Support Management
ITC211Systems Analysis
ITC212Internet Technologies

Session 3

Elective 2
Elective 3
Specialisation 1
Specialisation 2

Session 4

ITC218ICT Project Management
Elective 4
Specialisation 3
Specialisation 4

Session 5

ITC331Ethics and Professional Practice
ITC358IT Security
Specialisation 5
Specialisation 6

Session 6

Elective 5
Elective 6
Specialisation 7
Specialisation 8

Distance education students

If commencing at the start of a calendar year

Session 1

ITC105Communication and Information Management
ITC161Computer Systems

Session 2

ITC114Database Management Systems
ITC133Customer Support Management

Session 3

ITC106Programming Principles
Elective 1

Session 4

ITC211Systems Analysis
ITC212Internet Technologies

Session 5

Elective 2
Specialisation 1

Session 6

ITC218ICT Project Management
Specialisation 2

Session 7

Elective 3
Specialisation 3

Session 8

Elective 4
Specialistion 4

Session 9

ITC331Ethics and Professional Practice
ITC358IT Security

Session 10

Specialisation 5
Specialisation 6

Session 11

Elective 5
Specialisation 7

Session 12

Elective 6
Specialisation 8

Integrated Riverina TAFE programs

Full-time

Session 1

ITC105Communication and Information Management
Certificate III in Information, Digital Media and Technology (Network Administration) (TAFE)
CompTIA A+ certification (optional) (TAFE)

Session 2

ITC133Customer Support Management
Certificate IV in Information Technology (Networking) (TAFE)

Session 3

ITC106Programming Principles
Diploma of Information Technology (Networking) (TAFE)
Advanced Diploma of Information Technology (Network Security) (TAFE)
Cisco CCNA Routing and Switching certification (TAFE)

Session 4

ITC218ICT Project Management
Diploma of Information Technology (Networking) (TAFE)
Advanced Diploma of Information Technology (Network Security) (TAFE)
Cisco CCNA Routing and Switching certification (TAFE)

Session 5

ITC306Project Preparation
ITC331Ethics and Professional Practice
Advanced Diploma of Information Technology (Network Security) (TAFE)
EC Council Certified Ethical Hacker certification (optional) (TAFE)

Session 6

ITC114Database Management Systems
ITC211Systems Analysis
ITC308IT Project
Advanced Diploma of Information Technology (Network Security) (TAFE)
EC Council Certified Ethical Hacker certification (optional) (TAFE)

Residential School

Please note that the following subjects may have a residential school component.

ITC233 Computer Networks
ITC354 Routing and Switching
ITC355 Network Design

Enrolled students can find further information about CSU residential schools via the *About Residential School* page.

Accreditation

The Australian Computer Society (ACS) accredits courses in Information Technology to verify that they meet professional standards in terms of content, staff skills, teaching facility and quality assurance. The Bachelor of Information Technology has been accredited at the highest level of professional recognition by the ACS and this revised course will be submitted for reaccreditation once it has been approved by the University. Reaccreditation of the course is required for the course every five years.

Contact

For further information about Charles Sturt University, or this course offering, please contact info.csu on 1800 334 733 (free call within Australia) or email inquiry@csu.edu.au

The information contained in the 2016 CSU Handbook was accurate at the date of publication: October 2015. The University reserves the right to vary the information at any time without notice.

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