Bachelor of Technology (Computing Studies)

Build a solid foundation in programming and information technology (IT), while studying non-IT topics that match your interests to create your own degree.

This course is designed to give students a foundation in programming and information technology fundamentals, while also offering the chance to engage with topics outside the realm of information technology.

Core subjects include introduction to IT, programming, database systems, software engineering, web programming and professional computing practice.

You must do a minimum of 65% computer science and IT courses with the rest drawn from courses in related discipline areas including:

- accounting and law
- applied communication
- economics
- finance and marketing
- entrepreneurship
- logistics
- management
- statistics
- CISCO networking.

This is a degree of choice for those who want a professional IT degree that does not rely on software and IT development.

Industry connections
In the last semester you’ll undertake a project that simulates working in the industry. It will require your large-scale software application development skills.

Career outlook
Employment opportunities are as flexible and broad as the program itself. By studying a wide range of topics, both in computing and in other fields, graduates can pursue pure IT roles and roles in other areas that require IT experience such as marketing, advertising, accounting and health administration.

Graduates can find work as IT professionals in a range of tech-related areas, such as:

- business analysis
- helpdesk and desktop support
- network/systems administration
- technical writing and desktop publishing
- testing
- quality assurance
- web development.

Professional recognition
This program is accredited at the professional level by the Australian Computer Society (ACS), which accredits information and Communication Technology -related programs that are offered by Australian universities, both onshore and offshore.

ACS has reciprocal membership agreements worldwide. ACS Certified Professional status gives you global recognition.

International opportunities
This program can be studied worldwide through Open Universities Australia (OUA).

Pathways
Graduates of the RMIT Associate Degree in Information Technology who achieve a grade point average (GPA) of at least 2.0 out of 4.0 are guaranteed entry with two years’ credit (equivalent to 192 credit points).

Please note that the amount of time required to complete the program may exceed one year due to the availability and sequencing of some major electives and is also dependent on which semester you commence the program.
The program includes core courses in programming, database systems, software engineering, web programming and professional computing practice.

In the second and third years you’ll study four courses from a minor study area.

The remainder of your courses will be selected from IT electives, advanced IT electives and student electives.

### Minor study streams available
- Accounting and law
- Applied communication
- Economics, finance and marketing
- Entrepreneurship
- Logistics
- Management
- Statistics
- CISCO
- Information technology

### IT elective examples
- Artificial Intelligence
- Interactive 3D Graphics and Animation
- Web3D and Graphics Technologies

#### Advanced IT elective examples
- Advanced Programming Techniques
- Cloud Computing
- Security in Computing and Information Technology

### Program structure

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<th>Year</th>
<th>Building IT Systems</th>
<th>Introduction to Information Technology</th>
<th>Introduction to Programming</th>
<th>User-centred Design</th>
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<tbody>
<tr>
<td></td>
<td>Programming 1</td>
<td>University elective</td>
<td>University elective</td>
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<td>Year 2</td>
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<td>Information technology elective</td>
<td>Minor study stream</td>
<td>Minor study stream</td>
<td>University elective</td>
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<td>Year 3</td>
<td>Professional Computing Practice</td>
<td>Software Engineering Project Management</td>
<td>Capstone project course</td>
<td>Advanced information technology elective</td>
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<tr>
<td></td>
<td>Advanced information technology elective</td>
<td>Minor study stream</td>
<td>Minor study stream</td>
<td>University elective</td>
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</table>

- Compulsory courses
- Program electives
- University electives

### Entrance requirements

Successful completion of an Australian Year 12 senior secondary certificate of education or equivalent.

### Prerequisites

Current Year 12 prerequisites units 3 and 4 – a study score of at least 25 in any English (except EAL) or at least 30 in English (EAL)

### Additional information

Non-Year 12 applicants may submit additional information if they would like it to be considered. For semester 1 intake, this can be completed through the VTAC Personal Statement online. For semester 2 intake, this can be completed through the personal statement in the Apply Direct application.