Our two computer science degrees prepare you to become a professional at the forefront of information technology.

Your studies
After completing core studies in programming, databases, systems analysis, and professional IT practice, you will choose your stream.

The information systems stream will help you gain an understanding of the principles and techniques involved in the analysis, design, implementation and maintenance of computer systems within a business environment.

If you’re more technically-minded and want to contribute to the future development and support of computer technology, the computer science stream is an ideal choice.

In the Bachelor of Computer Science and Technology (Advanced) you will undertake advanced units where more challenging topics are covered in areas such as networking, human-computer interaction, graphics, object-oriented design, internet software platforms, artificial intelligence, and e-business analysis and design.

Your career
This degree offers you a broad range of career options in areas such as:

- information and communication technology (ICT)
- research and development
- government
- finance and banking
- education
- biomedicine
- consultancy
- change management
- software analysis and development
- computer systems administration.

Bachelor of Computer Science and Technology and Bachelor of Computer Science and Technology (Advanced)

UAC 511795
511796
Duration 3 years

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<th>Year 1</th>
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<tr>
<td>Professional Engineering &amp; IT</td>
<td>Introduction to Programming &amp; Computer Systems</td>
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<tr>
<td>Data Structures</td>
<td>Maths for IT</td>
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<td>IT Electives</td>
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<th>Year 2</th>
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<tr>
<td>Operating Systems &amp; Machine Principles</td>
<td>Database Systems 1</td>
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<td>Algorithms &amp; Complexity</td>
<td>Systems Analysis &amp; Modelling</td>
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<tr>
<td>Maths for IT</td>
<td>IT Stream Units/Electives</td>
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<th>Year 3</th>
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<tr>
<td>Management of IT Projects &amp; Systems</td>
<td>IT Stream Units/Electives</td>
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Sample course table only. Refer to sydney.edu.au/courses for full information.
IT and Computer Science at Sydney

As one of the top 30 engineering and technology universities in the world*, we will provide you with the leadership skills to develop innovative, creative and sustainable solutions that promote positive change.

Technical skills, business knowledge

Our Bachelor of IT and Bachelor of Computer Science and Technology degrees prepare you to become a professional at the forefront of information technology.

You will study a number of core subjects before choosing one of two streams - computer science or information systems. And when you graduate you could play an important role in helping businesses build infrastructure, develop products, manage data, analyse trends, strategise and conduct research.

Combined degrees

You can broaden your career options even further by combining your degree with studies in arts, law, architecture, science, commerce, music or medical science. Combined degrees are mostly five years in length and very popular, as they allow you to combine a range of interests.

Talented IT program

Our Talented IT program is open to students demonstrating outstanding academic ability (indicative ATAR of 98 or above).

Entry to the Talented IT program is by invitation from the Dean of Engineering and Information Technologies, following the release of the HSC results.

Assumed knowledge

This HSC subject is assumed knowledge for our information technologies degrees:

- Mathematics Extension 1

The whole you, not just your ATAR

If you would like to study IT subjects at university but are worried about making the ATAR cut-off, don't worry.

Our Flexible Entry scheme considers your ATAR as well as your performance in maths and science subjects, and your leadership capability. Apply at:

- sydney.edu.au/engineering/flexibleentry

Globally recognised qualifications

Our IT degrees are accredited by the Australian Computer Society, so you will graduate with a prestigious qualification that is recognised worldwide.

Scholarships

We offer more than 500 University-wide scholarships to undergraduates every year. The Faculty of Engineering and Information Technologies also offers a variety of entry, merit and industry scholarships.

For more information about scholarships visit:

- sydney.edu.au/engineering/scholarships
- sydney.edu.au/scholarships

*QS World University Rankings 2015/16

Faculty of Engineering and Information Technologies

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or +61 2 8627 1444 (outside Australia)
sydney.edu.au/ask-domestic
sydney.edu.au/ask-international