Computer Science and Software Development

About this area of study

Computer Science and Software Development focuses on both the hardware required to run applications, along with knowledge of the programming and software engineering required to develop complex software, database and networking solutions for real world environments.

On completion of the Bachelor of Information Technology (Computer Science and Software Development) you will be able to work in a wide range of jobs including as an object-oriented and procedural programmer, database and web designer and manager, network manager, component integrator, project manager, consultant and system analyst.

You will also be suited to employment in areas of systems programming, software development, data communications, management, maintenance of computer systems and development of information systems.

Key skills that Computer Science & Software Development graduates demonstrate include

- Analytical proficiency
- Investigation techniques
- Problem-solving strategies
- Development skills
- Technical skills
- General interpersonal skills
- The ability to communicate efficiently in both technical and plain language

Courses offered by Deakin University include

- Bachelor of Information Technology (computer science and software development)
- Bachelor of Information Technology (with either (or both) a computer science, or software development major)

Labour market information

Grads online has information regarding graduate salaries and where graduates go after completing their course www.gradsonline.com.au

Job Outlook has information about the labour market outlook http://joboutlook.gov.au

Related occupations

- Computer systems analyst
- Computer programmer
- IT manager
- IT consultant

- Web programmer
- Business representative (sales and marketing)

An industry career profile, salary and other employment information can be obtained from the My Future website www.myfuture.edu.au

Descriptions of occupations can be found at The Job Guide www.jobguide.thegoodguides.com.au

Employers

Department of Broadband, Communications and the Digital Economy www.dbcde.gov.au/jobs

Defence Imagery and Geospatial Organisation www.defence.gov.au/digo

Telstra www.telstra.com.au

Dell www.dell.com.au

Technetics www.technetics.com.au

NAB www.nab.com.au

Firelight Technologies www.fmod.org

Microsoft www.microsoft.com.au

Java www.java.com.au

Google Australia www.google.com.au

Symantec-Norton www.symantec-norton.com.au

For specific employment opportunities visit the following sites

Deakin University Jobshop www.deakin.edu.au/jobshop

ITWire http://jobs.itwire.com

Jobnet www.jobnet.com.au

Gurus http://gurus.com.au

Graduate Opportunities www.graduateopportunities.com

Uni Grad www.unigrad.com.au

Seek www.seek.com.au

My Career www.mycareer.com.au

Career One www.careerone.com.au

Professional associations

Australian Computer Society www.acs.org.au

Australian Information Industry Association www.aiia.com.au

Australian Society for Computers in Learning in Tertiary Education www.ascilite.org.au

Association of Professional Engineers, Scientists, and Managers, Australia www.apesma.asn.au

Computer Technology Industry Association www.comptia.org

National ICT Australia www.nicta.com.au