



The University of  
**Nottingham**

UNITED KINGDOM • CHINA • MALAYSIA

# School of Computer Science

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# Africa

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## South Africa

### *University of Johannesburg*

The University of Johannesburg (UJ) only came into existence in 2005 as the result of a merger between the Rand Afrikaans University (RAU), the Technikon Witwatersrand (TWR) and the Soweto and East Rand campuses of Vista University. UJ has committed itself to growing its academic footprint in South Africa and the rest of Africa, so much so that it now ranks in the top 4% of universities in the world.

Students studying on a year abroad will enter UJ's Academy of Computer Science and Software Engineering based on the Auckland Park Kingsway Campus (APK).

For information on the University of Johannesburg's syllabus for CS students, follow this link:

<http://www.uj.ac.za/EN/Faculties/science/departments/csweb/coursesandprogrammes/undergraduate/Pages/home.aspx>

# America

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## Canada

### ***McGill University, Montreal***

McGill University is located in Montreal, Quebec, Canada. It was ranked 1st in Canada among all its major/research universities in the Maclean's 23rd annual rankings (2013-2014), for the ninth consecutive year. Internationally, McGill ranked 21st in the world and 2nd in Canada in the 2013 QS World University Rankings.

Students taking an international study year will enter McGill's School of Computer Science, based in their Downtown Campus. The school currently stands second in Canada for its research funding.

Follow the link below to see the list of courses (modules) offered to students Majoring in Computer Science:

<http://www.mcgill.ca/study/2014-2015/faculties/science/undergraduate/programs/bachelor-science-bsc-major-computer-science>

### ***The University of British Columbia, Vancouver U21)***

The University of British Columbia (UBC) was established in 1908 and is one of Canada's leading research universities and is consistently ranked among the top 40 in the world. The university attracts 54,000 students from across Canada and countries around the world to two major campuses.

Students taking an international study year will enter UBC's Department of Computer Science on the Point Grey campus. It is the top computer science department in western Canada, and one of the top three in the whole of Canada.

Follow the link below to see the list of courses (modules) offered to students Majoring in Computer Science:

<http://www.calendar.ubc.ca/vancouver/courses.cfm?page=code&institution=15&code=CPS>

## ***The University of Toronto***

Established in 1827, the University of Toronto is a vibrant and diverse academic community with 80,000 students. The University is one of the most respected and influential institutions of higher education and advanced research in the world.

Its strengths extend across the full range of disciplines: the 2012-13 Times Higher Education ranking groups the University of Toronto with Stanford, UC Berkeley, UCLA, Columbia, Cambridge, Oxford, the University of Melbourne, and the University of Michigan as the only institutions in the top 27 in all 6 broad disciplinary areas.

Students taking an international study year will enter the Department of Computer Science (DCS) at the University of Toronto's St. George Campus, ranked among the top computer science departments in the world.

Follow this link for a list of courses (modules) offered to students majoring in Computer Science programs:

[http://www.utsc.utoronto.ca/~registrar/calendars/calendar/ListofCourses.html?prog\\_name=CSC&full\\_name=Computer%20Science](http://www.utsc.utoronto.ca/~registrar/calendars/calendar/ListofCourses.html?prog_name=CSC&full_name=Computer%20Science)

## **Chile**

### ***Pontificia Universidad Católica de Chile***

Pontificia Universidad Católica de Chile (PUC) is one of Chile's oldest universities and one of the most recognised educational institutions in Latin America. It has over 22,000 students and ranks first in South America by QS ranking.

Students taking an international study year will enter the School of Engineering which is based on the San Joaquín campus in the Macul Commune of Greater Santiago.

Follow the link below for more information on PUC's computation degree, the Major en Computación:

<http://www.ing.puc.cl/alumnos/plan-de-estudios/majors/major-en-computacion/>

## **Mexico**

### ***Tecnológico de Monterrey***

Tecnológico de Monterrey (ITESM) is one of the largest private, nonsectarian and coeducational multi-campus universities in Latin America with over 90,000 students at the high school, undergraduate, and postgraduate levels.

Computer Science at ITESM comes under the study area of Information Technologies and Electronics. Because ITESM has over 30 campuses, availability of Computer Science modules varies between each but campus but the Estado de Mexico campus is a good starting point.

Follow this link for a list of courses (modules) offered to students enrolled on Computer Science and Technology programs:

<https://serviciosva.itesm.mx/PlanesEstudio/Consultas/Planes/ConsultaPlanEstudio.aspx?form=PLANESTUDIO&contenido=caratula&modovista=default&Idioma=ING&claveprograma=ITC11&UnaCol=NO&VerReq=&VerEqui=&IdTipoArea=&Materia>

## **The United States of America**

### ***The University of Connecticut***

The University of Connecticut (UConn) is based in Storrs, Connecticut and has 30,000 students. UConn has stood as the top public university in New England, for the sixth consecutive year.

Students taking an international study year will enter the Department of Computer Science & Engineering based on the flagship Storrs Campus.

Follow this link for more information on UConn's Computer Science programme, including course (module) information:

[http://www.cse.uconn.edu/cms/images/PDFs/SelectionGuide\\_cs13-14.pdf](http://www.cse.uconn.edu/cms/images/PDFs/SelectionGuide_cs13-14.pdf)

### ***The University of Maryland***

The University of Maryland (UM) is located in the campus city of College Park, eight miles from Washington, D.C and has 37,000 students. Greene's Guide considers UM a Public Ivy institution meaning it is a public university with a quality of education comparable to those of the private Ivy League.

Students taking an international study year will enter the College of Computer, Mathematical, and Natural Sciences in the Department of Computer Science.

Follow this link to a list of required courses (modules) for undergraduates taking Computer Science programmes at UM:

<http://undergrad.cs.umd.edu/degree-requirements-cs-major>

### ***Ohio State University***

The Ohio State University, commonly referred to as Ohio State or OSU, is a public research university in Columbus, Ohio. In 2007, Ohio State was officially designated as the flagship institution of Ohio's public universities as part of the newly centralized University System of Ohio.

Students taking an international study year will enter the Department of Computer Science and Engineering on the Columbus campus.

Follow this link to see a list of courses (modules) taught in CSE:

<https://cse.osu.edu/department/courses/course-schedule>

### ***The University of Virginia***

In 1819 the University of Virginia (U.Va.) was founded by Thomas Jefferson in Charlottesville, Virginia. It has over 21,000 students and is the second best public university in the 2014 edition of the U.S. News and World Report rankings. In the 14 years since U.S. News began ranking public universities as a separate category, U.Va. has ranked either first or second. U.Va. continues to rank in the Top 25 among the best of all US universities, public and private.

UVA has the only university campus in the United States that is designated a World Heritage Site by UNESCO and students taking an international study year will study here in the Department of Computer Science.

Follow this link to the Computer Science curriculum at U.Va:

[http://records.ureg.virginia.edu/preview\\_program.php?catoid=7&poid=848](http://records.ureg.virginia.edu/preview_program.php?catoid=7&poid=848)

# Asia

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## China

### ***Fudan University***

Fudan University is located in Shanghai and is one of the oldest and most selective universities in China. It has around 30,000 students and is a member of the [C9 League](#).

Students taking an international study year will study in the School of Computer Science at the Zhangjiang campus, in the heart of the Zhangjiang Hi-Tech Park.

### ***The University of Hong Kong***

The University of Hong Kong (HKU) is Hong Kong's oldest tertiary institution, with a history that stretches back over a hundred years. Since its beginning, HKU has been a forward-looking university. It continues to foster internationalisation through an open academic environment and aspirations to excellence and has sought out like-minded scholars from around the world.

Students taking an international study year will enter the Department of Computer Science at the University of Hong Kong's main campus.

Follow this link for a list of courses (modules) offered to students majoring in Computer Science programs:

<http://www.cs.hku.hk/programme/beng-cs/course-description.jsp>

### ***Shanghai Jiao Tong University***

Shanghai Jiao Tong University (SJTU) is renowned as one of the oldest and most prestigious and selective universities in China. SJTU has around 40,000 students and is a member of the C9 League and Yangtze Delta Universities Alliance.

Students taking an international study year will enter the Department of Computer Science and Engineering, based on the Minhang Campus.

Follow the link below for a list of courses (modules) offered to CSE students:

<http://www.cs.sjtu.edu.cn/en/Undergraduate.aspx>

## **India**

### ***The University of Delhi***

The University of Delhi is the largest university in India with nearly 150,000 students and about 7,000 teachers. It has a strong commitment to excellence in teaching and research has made it a role model and path-setter for universities in India.

Students taking an international study year will enter the Department of Computer Science and further information including college and module information can be found on the university's website:

[http://cs.du.ac.in/courses\\_syllabi.html#.U9ZmRfldWCk](http://cs.du.ac.in/courses_syllabi.html#.U9ZmRfldWCk)

## **Japan**

### ***Waseda University***

Waseda University is a private university mainly located in Shinjuku, Tokyo with around 55,000 students. It is considered to be one of Japan's most prestigious universities, consistently ranking amongst the top universities in Japanese university rankings. The University has many notable alumni in Japan, with seven Prime Ministers of Japan and many CEOs, including Tadashi Yanai, the CEO of UNIQLO and wealthiest man in Japan.

Students taking an international study year will enter the School of Science and Engineering on the main Shinjuku campus.

The link below leads to Waseda's syllabus search where you can find details of modules:

<https://www.wsl.waseda.jp/syllabus/JAA101.php?pLng=en>



## **Singapore**

### ***The National University of Singapore***

The National University of Singapore (NUS) is the oldest higher learning institute in Singapore, as well as the largest university in the country in terms of student enrolment (over 27,000) and curriculum offered. It is currently ranked as 24<sup>th</sup> best university in the QS World Rankings.

Students taking an international study year will enter the School of Computing, located on NUS's main campus. For further information on the Computer Science programme (such as module information) at NUS, follow the link below:

[http://www.comp.nus.edu.sg/cs/cs\\_overview.html](http://www.comp.nus.edu.sg/cs/cs_overview.html)

## **South Korea**

### ***Korea University***

Korea University is one of South Korea's three prestigious [SKY universities](#) and is the oldest institution of higher education in South Korea. The student body at Korea University consists of over 20,000 undergraduate students and 5,000 graduate students.

# Europe

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## Ireland

### *University College Dublin*

University College Dublin (UCD) is Ireland's largest and most diverse university with over 30,000 students, drawn from approximately 124 countries. It actively promotes university life as a journey of intellectual and personal discovery through its highly innovative and flexible UCD Horizons undergraduate curriculum and is the most popular destination for Irish school-leavers.

Students taking an international study year will enter the School of Computer Science and Informatics at the University College Dublin's main Belfield campus.

Follow this link for a list of modules offered to undergraduate students studying in the School of Computer Science and Informatics:

<https://www.csi.ucd.ie/view/modules>

## Netherlands

### *University of Amsterdam*

The University of Amsterdam (UvA) has nearly 30,000 students and in 2013, was ranked 58th in the world, 17th in Europe, and 1st in the Netherlands by the QS World University Rankings. Because the university is located in both historic and modern buildings spread throughout the heart of the city, it forms an integral part of the intellectual and cultural life of Amsterdam.

Students taking an international study year will study on UvA's Science Park Amsterdam campus. You can find the syllabus for the BA Informatica here:

<http://www.uva.nl/onderwijs/bachelor/bacheloropleidingen/content/informatica/studieprogramma/studieprogramma.html#anker-het-eerste-jaar>

## Sweden

### *Lund University*

Lund University is one of Europe's oldest universities and Scandinavia's largest institutions for education and research; it is consistently ranked among the world's top 100 universities. The university has around 47,000 students and is located in the city of Lund in the province of Scania, Sweden.

Students taking an international study year will enter the Department of Computer Science on the main Lund campus.

You can find a list of courses (modules) offered to CS students at Lund here:

<http://cs.lth.se/english/education/>

# Oceania

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## Australia

### *The University of Melbourne*

The University of Melbourne is based in Victoria and has 38,000 students. It is a member of the Australia's [Group of Eight](#) and was named Australia's best university by Times Higher Education (THE), Academic Ranking of World Universities and National Taiwan University Rankings. THE also ranks Melbourne as 34th in the world, while the QS World University Rankings places Melbourne 31st in the world.

Students taking an international study year will enter Melbourne's department of Computer Science and Information Systems on the main campus in Parkville, Melbourne. According to QS Subject Rankings 2014, the University of Melbourne is ranked 15th in Computer Science & IT.

Follow the link below to find a sample course structure in Computer Science & IT:

<http://www.msi.unimelb.edu.au/study/undergraduate/computing-software-systems/>

### *Monash University, Melbourne*

Monash University is based in Melbourne, Australia. It was founded in 1958 and is the second oldest university in the State of Victoria. Monash is a member of Australia's Group of Eight and the ASAIHL, and is the only Australian member of the influential M8 Alliance of Academic Health Centers, Universities and National Academies.

Monash enrolls approximately 45,000 undergraduate and 17,000 graduate students, making it the university with the largest student body in Australia.

Students taking an international study year will enter Monash's Faculty of Information Technology in the Clayton School of IT. Monash is the only Group of Eight university with a dedicated IT faculty and was ranked as one of the top 100 universities in the world for Computer Science and Information Systems by the 2014 QS World University Rankings.

Follow the link below to find the Faculty of Information Technology units index (module catalogue):

<http://www.monash.edu.au/pubs/2014handbooks/units/index-byfaculty-it.html>

### ***University of New South Wales, Sydney***

The University of New South Wales (UNSW) is ranked among the top 60 universities in the world according to the QS World University Rankings. It has more than 50,000 students from over 120 countries.

UNSW is a founding member of the Group of Eight, a coalition of Australian research-intensive universities, and of the international network Universitas 21.

Students taking an international study year will enter UNSW's School of Computer Science and Engineering, based on the main Kensington campus in Sydney.

Follow the link below to find information on the classes (modules) run by UNSW for the Computer Science course:

<http://www.timetable.unsw.edu.au/current/COMPKENS.html>

### ***The University of Queensland***

The University of Queensland (UQ) is a public university located in the state of Queensland and has around 45,000 students. As a member of Australia's Group of Eight, it is ranked among the top universities in Australia and is named one of the world's top universities in three key rankings - the QS World University Rankings, the Academic Ranking of World Universities and the Times Higher Education World University Rankings.

Students taking an international study here will enter UQ's School of Information Technology and Electrical Engineering (ITEE). Computer Science is taught on the main UQ campus in St Lucia, Brisbane.

Follow the link below to find the Faculty of Information Technology course list (module catalogue):

[http://www.uq.edu.au/study/plan\\_display.html?acad\\_plan=COSCIX2030](http://www.uq.edu.au/study/plan_display.html?acad_plan=COSCIX2030)

## **New Zealand**

### ***The University of Auckland***

Founded in 1883, Auckland is the country's largest university with over 40,000 students. It is the largest and leading university in New Zealand and was ranked 82nd worldwide in the 2011 QS World University Rankings.

Students taking an international study year will enter the Department of Computer Science which is among the top 100 Computer Science Departments in the world according to the 2014 QS World University Rankings.

Follow this link for a list of courses (modules) offered to students enrolled on Computer Science programs:

<https://www.cs.auckland.ac.nz/en/about/our-courses.html>