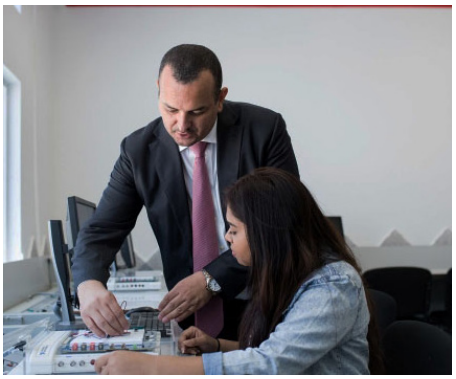
From Dubai to Canada

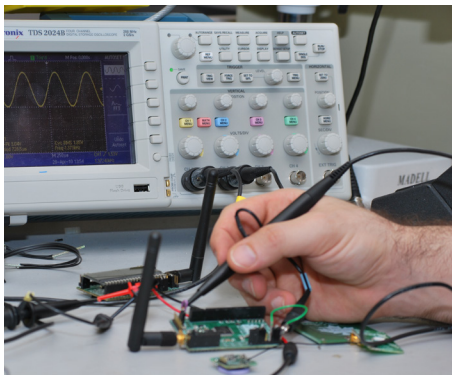
Get to know **Canadian University Dubai & Queen's University**

Start your Bachelor of Science degree at the Canadian University Dubai (CUD) in Network Engineering and finish with a Bachelor of Computing degree at Queen's University in Kingston Ontario, one of Canada's oldest research universities.

Students can complete their first two years at CUD in the School of Engineering, Applied Science & Technology and then transfer directly to the School of Computing in the Faculty of Arts and Science, leading to a Bachelor of Computing degree at Queen's.

CUD students who have successfully completed their two years of the Bachelor of Science in Network Engineering and who meet the admission requirements for Queen's will begin their studies in the third year of the Bachelor of Computing program. Students are eligible to receive up to 57 units of transfer credit to apply to their Bachelor of Computing degree, provided they meet the academic requirements for transfer credit. They will aim to complete another 63 units of core and elective courses over the next two years and earn a Bachelor of Computing degree from Queen's.





Queen's **ADMISSION**

Applicants must have successfully completed the first two years of the Bachelor of Science in Network Engineering program with a cumulative GPA of 2.60 minimum; and satisfy facility in English requirements as defined by Queen's Office of Undergraduate Admission.

CUD will nominate up to 20 eligible students to Queen's by April 1 of each year. Such nominations will be accompanied by official transcripts and certification of English proficiency if required, as specified in the Admission Requirements section above. Nominated students who have been approved by the School of Computing will apply for admission to Queen's University.

One degree. **Two** countries. **Many** opportunities.

That's a CUD + Queen's degree.

Computing MAJOR MAP

BACHELOR OF SCIENCE IN NETWORK ENGINEERING FROM CANADIAN UNIVERSITY DUBAI | BACHELOR OF COMPUTING FROM QUEEN'S UNIVER

CANADIAN UNIVERSITY DUBAI

1ST YEAR

2ND YEAR

GET THE COURSES YOU NEED AT CUD

The following table lists course units that will be pre-approved from students registered in the Bachelor of Science in Network Engineering program in the School of Engineering, Applied Science & Technology at CUD. The maximum number of units that may be transferred as credit towards the Bachelor of Computing (Honours) degree at Queen's is 57.0 units, as per the Faculty of Arts and Science Academic Regulations.

SWS 110	Programming I
MTH 112	Calculus I
SHS 103	Chemistry
GED 198	Islamic Culture
GED 252	Critical Thinking
MTH 114	Linear Algebra
MTH 113	Calculus II
ENG 101	Digital Logic
SWS 120	Programming II
SCI 101	Physics I "Engineering Mechanics"

MTH 230	Probability and Statistics
ENG 210	Computer Architecture
MTH 120	Discrete Mathematics I
ENG 211	Computer Network Fundamentals
SCI 201	Physics II
COM 325	Micro-Controlling and Processing
NET 300	Operating Systems
NET 220	Computer Networks
LNG 173	Professional Communications Skills
ENG 221	Electric Circuit

GET THE COURSES YOU NEED QUEEN'S

APPLICATION TO 2+2 PROGRAM

Submit application to join the 2+2 program in April. Application materials include an unofficial transcript of Fall term grades.

Apply for admission to Queen's University using the online application form. Students require a minimum GPA of 2.6.

GET CONN WITH THE COMMUN

GET READY FOR LIFE AT QUEEN'S

After you have recieved your nomination to join the 2+2 program, look at your course plan for Year 2 CUD to make sure you meeting course requirements. Independently prepare for life abroad: perhaps learn how to cook, or read about North American cultural differences.

Learn more about living in Canada and studying at Queen's University. You apply for your visa and residence housing as part of your preparations. Check out and learn more about clubs such as Queen's Game Developers Club. Participate in Open Source Development projects. Join the Queen's ACM Programming team. See the AMS Clubs Directory or the Queen's Get Involved page for more ideas.

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CANADIAN UNIVERSITY DUBAI
Your portal to Canadian education

Queen's UNIVERSITY

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QUEEN'S UNIVERSITY

3RD YEAR

4TH YEAR

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CORE Courses

CISC 203/3.0	Discrete Mathematics for Computing II	CISC 326/3.0	Game Architecture
CISC 220/3.0	System-Level Programming	CISC 365/3.0	Algorithms I
CISC 223/3.0	Software Specifications	CISC 497/3.0	Social, Ethical and Legal Issues in Computing
CISC 235/3.0	Data Structures	CISC 499/3.0	Advanced Undergraduate Project
CISC 260/3.0	Programming Paradigms		

9.0 unit optional courses (some may not always be offered each year)

CISC 422/3.0	Formal Methods in Software Engineering	CISC 458/3.0	Programming Language Processors
CISC 423/3.0	Software Requirements	CISC 462/3.0	Computability and Complexity
CISC 425/3.0	Advanced User Interface Design	CISC 465/3.0	Foundations of Programming Languages
CISC 426/3.0	Real-Time Systems	CISC 466/3.0	Algorithms II
CISC 432/3.0	Advanced Database Systems	CISC 471/3.0	Computational Biology
CISC 434/3.0	Distributed Systems	CISC 472/3.0	Medical Informatics
CISC 435/3.0	Computer Communications and Networks	CISC 481/3.0	Syntax Systems for Natural Language
CISC 437/3.0	Performance Analysis	CISC 486/3.0	Game Engine Development
CISC 452/3.0	Neural and Genetic Computing	CISC 496/3.0	Game Development Project
CISC 453/3.0	Topics in Artificial Intelligence	CISC 498/3.0	Information Technology Project
CISC 454/3.0	Computer Graphics	CISC 500/3.0	Undergraduate Thesis
CISC 457/3.0	Image Processing and Computer Vision		

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Get involved with the Computing Students Association (COMPSA). Consider volunteering with initiatives such as high school programming competitions, Hour of Code, or local FIRST Robotic teams. Consider entrepreneurial opportunities via programs like the Queen's Innovation Connector Summer Initiative (QICSI).

Connect with professors at events or workshops hosted by the School, COMPSA and WISC. Connect with alumni by joining the LinkedIn group Queen's Connects. Attend conferences like the Canadian Quantum Information Students' Conference (CQISC) and the Canadian Celebration of Women in Computing (CAN-CWIC).

VANT
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Talk to the School about research opportunities through Undergraduate Summer Research Assistantships (NSERC/USRAs). Look into summer jobs by talking to the dept. or Career Services about work through SWEP or Work-Study. Join the COMPSA Site Services team to develop websites. Consider applying to the 12-16 month Queen's Undergraduate Internship Program through Career Services.

Investigate requirements for full-time jobs or other opportunities related to careers of interest.

Assess what experience you're lacking and fill in gaps with volunteering, clubs, or internships – check out the Career Services skills workshop for help.

Where could I go after graduation?

- 3D animator
- Biomedical computing
- Biotechnician
- Communications
- Computer programmer
- Cryptographer
- Data analyst
- Data mining and processing
- Database administrator
- Educator
- Game development/design
- Graphic artist
- Human/Computer interface designer
- Information architect
- Lawyer
- Linguist
- Marketing
- Medical applications technician
- Medicine
- Pharmaceutical researcher
- Project manager
- Research
- Robotics
- Security
- Social and digital media specialist/advisor
- Software architect
- Software developer
- Software tester
- Sound designer
- Systems analyst
- Web developer

Some careers may require additional training.

Learn more: **queensu.ca/artsci/computing**

175 YEARS

Why study at **Queen's University** in Kingston ON?

For 175 years, our community has been more than a collection of bright minds – Queen's has attracted people with an ambitious spirit. Queen's has the highest retention rates among recent graduates. We are a research intensive university focused on the undergraduate experience. The BBC has identified us as one of the GREATEST UNIVERSITY TOWNS in the world – and is often awarded the safest city in Canada. We are a university at the core; just a quick drive to Toronto, Montreal, Ottawa and even New York. A university with more clubs per capita than any other university in Canada, and a city with more restaurants per capita than any other city in North America. You will have the experience of a lifetime at Queen's – and graduate with a degree that is globally recognized as among the best.

Why study **Arts and Science** at Queen's?

What does every student want in their post-secondary experience? Great learning opportunities with their professors in state-of-the-art facilities matched with a social experience to be remembered. What do parents want for their kids going to university? A safe environment, a place that cultivates independence and great career opportunities upon graduation. Welcome to Queen's Arts and Science. We will provide an unmatched transformational experience that is beyond your expectations. With retention rates as high as ours it will be no time before you will be part of our amazing alumni network.

Get to know **Queen's Computing.**

On top of Computer Science, the Queen's School of Computing is home to diverse areas of study such as software design, game development, biomedical computing, cognitive science, computing and mathematics, and computing and the creative arts. Offering an exciting learning experience in this ever-changing field, by fostering interaction across disciplines, Computing prepares you for countless careers and graduate degrees. Our outstanding professors are both internationally recognized experts and committed educators who take pride in giving you the skills and theoretical knowledge you'll need to excel as a computer scientist.