

WE BUILD FUTURES



DALHOUSIE
UNIVERSITY

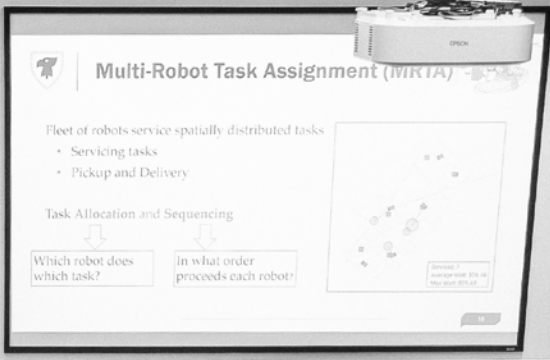
FACULTY OF
COMPUTER SCIENCE

What
What
will you
build?

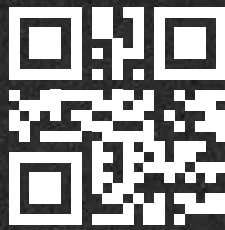
Computer Science
is about more than
coding. It's about
solving problems,
thinking differently,
and building what
comes next.



2
**UNIQUE CS
PROGRAMS**



SCAN



**FOR DAL
COMPUTER
SCIENCE**

Why Why Why computer science now?

Technology is everywhere and its only growing.

1

Every industry needs a **computer scientist**

2

Solve real-world problems **that matter**

3

Build skills that last, no matter how **careers change**

If an industry uses tech, it needs a computer scientist



Why Why computer science at Dal



At Dal, you're more
than a student,
you're part of a
community.



You'll graduate
with **experience**,
connection, and
confidence.

Supportive,
collaborative
environment

Learn by doing,
not just listening

Small class
feel with big
opportunities

Located in
Halifax—one of
Canada's fastest-
growing tech hubs

What Makes Dal Different

- ✓ Welcoming & supportive community
- ✓ Strong co-op & career support
- ✓ Growing tech hub location

#1
TECH INSTITUTE IN
ATLANTIC CANADA



grams

Programs

Programs

Pr

Bachelor of Computer Science (BCS)

Deep Technical Skills.
Specialized for today's tech careers.

For students who want to specialize in high-demand areas of tech.

Strong foundation in computer science **fundamentals**

Choose from **6 in-demand majors**

Develop advanced, **specialized expertise**

Flexible program to match your interests

Bachelor of Applied Computer Science (BACS)

Tech + Management.
Build solutions that work in the real world

For students who want to lead projects, teams and ideas.

Combine technical skills with **business understanding**

Learn how to apply technology across **different industries**

Focus on teamwork, communication, and **leadership**

Hands-on project-based learning

SCAN



**FOR MORE
PROGRAM
INFO**



YOUR IDEAL PROGRAM

START

Are you looking to combine your interest in technology with business, management, or another field entirely?

N

Want to lead tech projects, manage teams, or apply technology across any industry?

N

Y

Explore the Bachelor of Applied Computer Science (BACS) program

Do you want to focus on launching tech start-ups, managing e-commerce, or driving digital transformation in organizations?

Y

N

Do you love the design side of tech—making apps and websites look amazing, intuitive, and user-friendly?

N

Y

Explore Digital Innovation Major

Do you want to use advanced math and computing power to simulate reality, model massive datasets, and solve complex global problems?

Y

N

Are you driven by building software, designing reliable systems, or launching your own software startup?

N

Y

Explore Human-Computer Interaction (HCI)

Explore Algorithms & Scientific Computing Major

Want to build the next generation of human-AI collaboration? Are you excited to tackle the advanced coding and statistical modeling that makes machine learning actually work?

Y

N

Explore AI Major

Explore Cyber-security Major

Y

Want to be a digital detective? Are you ready to hunt for vulnerabilities, investigate threats, and protect critical information across every major industry?"

N

Explore Software Development Major

Loop back to the START

Choose your major (BCS)

1/ Human-Computer Interaction

Create intuitive, user-friendly experiences

For students who: enjoy blending tech with creativity, understanding human behavior, and reimagining how people interact with devices. You care about how technology feels and want to design intuitive, accessible products that make everyday life easier.

Careers

- Design video game interfaces
- Build accessible healthcare tech
- Shape the future of virtual reality
- Research human-robotic trust

2/ Cybersecurity

Protect systems, data, and digital infrastructure

For student who: like problem-solving, puzzles, and thinking one step ahead. You're interested in protecting systems and data.

Careers

- Analyse digital vulnerabilities
- Investigate digital crimes
- Secure smart city infrastructure
- Research cryptography for the future



3/ Artificial Intelligence

Build smart systems, machine learning, and future tech

For students who: enjoy math, logic, and solving complex problems. You're curious about how machines learn and how tech can make decisions.

Careers

- Develop assistive medical AI
- Program smart automation and robotics
- Create next-gen streaming algorithms
- Research ethical AI frameworks

1800
UNDERGRADUATE
STUDENTS

Choose your major (BCS)

4/ Algorithms & Scientific Computing

Solve complex problems with math and computation

For students who: enjoy math, deep problem solving, and scientific applications. You like understanding how things work at a fundamental level.

Careers

- Simulate global climate models
- Optimize global supply chains
- Code physics engines for gaming & animation
- Use genomic data to understand biodiversity

5/ Software Development

Design and build apps, systems, and technologies

For students who: enjoy building things, turning ideas into products, and solving real-world problems. You are curious about how technology works and excited to create what's next.

Careers

- Engineer digital products and experiences used by millions
- Build technology for businesses, governments, and nonprofits
- Launch your own startup or join leading technology companies

6/ Digital Innovation

Combine tech, creativity, and entrepreneurship

For students who: are interested in both tech and business. You like creating new ideas, startups, or products that solve real problems.

Careers

- Launch your own startup
- Reinvent traditional industries
- Manage major digital products
- Research digital consumer behaviour



Entrance Requirements

**Bachelor of
Computer
Science (BCS)**

**Bachelor of
Applied Computer
Science (BACS)**

Grade 12 **Academic
English**

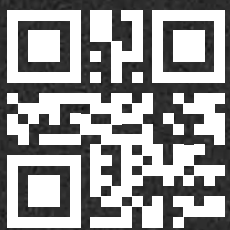
Grade 12 **Academic
Math** (Grade 12
Pre-Calculus
Recommended)

**3+ Academic
Subjects**

**Overall top 5
average of 70%**

**No prior coding
experience required*

SCAN



**FOR MORE
REQUIREMENTS
INFO**





Co-op and career support

The support you need to turn your degree into a career

Graduate with a **full year's work** experience

Graduate with a **resume that stands out** and experience to back it up.

Turn your degree into real-world experience.

- Dedicated CS co-op advisor + Career Development Manager
- Direct access to employers and industry networks
- Resume, interview, and job search support

Get experience while you study:

- Paid co-op placements
- Project-based learning and applied work
- Opportunities like ShiftKey Labs to build your portfolio

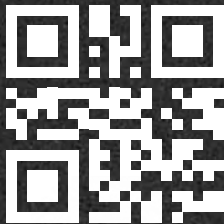
Students have worked for:

CGI



MAKE UP TO
\$15,000
PER WORK TERM

SCAN



ME!

OR CONTACT!

Undergraduate Recruitment Office
Faculty of Computer Science
cs.undergrad@dal.ca



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