Major description

Use computer science and statistics to quantify information and make informed decisions. Learn how to make decisions that are supported by data. Data science graduates have an impact on society by supporting evidence-based decisions grounded in our ever-growing collection of data.

Program highlights

Register in courses such as:
- DATA 101 — Making Predictions with Data
- DATA 311 — Machine Learning
- DATA 315 — Applied Time Series and Modeling

Getting Started

First-year standing

Explore the Data Science major by visiting the Department of Computer Science, Mathematics, Physics & Statistics website and reviewing the Academic Calendar.

Learn more about your major requirements by logging into Degree Navigator and reviewing the First-Year Planning Guides.

Book an appointment with an advisor to discuss program or career-related questions. Find the advisor that is right for you by reviewing advising options available.

Visit the Student Learning Hub throughout your degree for free supports from peers and professionals that include tutoring in math, sciences, languages, and writing.

Participate in Supplemental Learning - free, weekly, peer-facilitated study sessions.

Moving Through your Degree

Second-year standing

Declare the Data Science major on the Student Service Centre (SSCU) during the registration period between June and mid-September after completing a minimum of 24 credits.

Find unique courses to fill your elective requirements or add a minor.

Meet with an instructor or TA during office hours: ask a question, discuss an assignment, or go over lecture material.

International Students: Contact International Student Advising to review your study status.

Considering further education? Find graduate programs at UBCO and beyond. Research application requirements, admissions information, and funding options.

Moving Through your Degree

Third-year standing

Explore a topic of interest in depth by participating in Undergraduate Research. Apply for an NSERC or an Undergraduate Research Award to fund your research.

Explore co-op opportunities to strengthen your skills and build your work experience by applying to the Co-operative Education Office. Applications open in September to students with 3rd year standing or higher.

Study abroad by participating in a Go Global program such as exchange, faculty-led global seminar, or research abroad.

Apply to the Data Science honours program at the end of the third year of study (after completing a minimum of 54 credits).

Preparing for Graduation and Your Future

Fourth-year+ standing

Market yourself to employers by reflecting on your UBCO experience and identifying the skills and knowledge you developed through the activities you participated in. Meet with a Career Development Specialist for help with your resume, cover letter, and job search strategy.

Schedule an appointment with an advisor the term before you plan to graduate to ensure that you will meet all academic graduation requirements.

Review graduation eligibility requirements and deadlines before you apply to graduate and learn about convocation.

Looking for support?

UBC Okanagan provides a broad range of support services for students from admission through to graduation. Ranging from help with academics and careers to physical and emotional resources, visit Student Support and Resources for a full list of helpful supports. Some examples are included below:

- Academic & Career Development provides academic and career support for all undergraduate students
- Indigenous Programs & Services provides academic support to self-identified First Nations, Métis, and Inuit students
- International Student Advising supports international students with immigration, employment in Canada, and more
- Faculty Program Advisors provide faculty-specific academic support
- Disability Resource Centre assists with disability-related accommodations and programming initiatives to help remove barriers for students with disabilities and ongoing medical conditions
- Counsellors help students examine and explore their behaviors, relationships, feelings, or thoughts that cause concern or challenges
- Financial support is available to help students learn to budget, pay tuition, or apply for awards and scholarships

Go Global

Looking for support?

Experiential Education opportunities are highlighted with a symbol. Plan ahead! Statements highlighted with a symbol must be completed during a specific term(s) or have an associated deadline.

Legend

Experiential Education opportunities are highlighted with a symbol.

Plan ahead! Statements highlighted with a symbol must be completed during a specific term(s) or have an associated deadline.

How to use the Program Plan:

Tuum est! This Program Plan is designed to help shape your UBC experience, challenge yourself to try new things, and become the person and scholar you want to be to help make your time at UBC Okanagan yours. The Program Plan offers suggestions – you don’t have to do it all!

The Program Plan includes four categories:

- Explore the Major: Explore what you’ll be studying and learning. Make connections between your program and future career or education opportunities and goals.
- Connect and Build Community: Making connections will help develop your support network throughout your studies and beyond.
- Develop Skills and Gain Relevant Experience: Expand your capacity to understand the changing world and embrace different perspectives by seeking out new experiences and opportunities.
- Go Global: Plan ahead! Statements highlighted with a symbol must be completed during a specific term(s) or have an associated deadline.

United Nations' SDGs

For more information on the United Nations’ SDGs, visit the United Nations’ website.

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- Explore the Major: Explore what you’ll be studying and learning. Make connections between your program and future career or education opportunities and goals.
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- Go Global: Plan ahead! Statements highlighted with a symbol must be completed during a specific term(s) or have an associated deadline.

Program requirements based on a minimum of 120 credits.

Plan ahead! Statements highlighted with a symbol must be completed during a specific term(s) or have an associated deadline.

Undergraduate Programs and Admissions: you.ubc.ca
Explore Experiential Education
Participate in hands-on, immersive learning experiences.

Explore high-impact, “learn-by-doing” experiences that take your education beyond the classroom. Whether on- or off-campus, paid or volunteer, participating in directed experiences and focused reflection helps to increase knowledge, develop skills, clarify values, and build your capacity to contribute to your communities. Experiential Education opportunities are highlighted with a symbol. Most opportunities highlighted below can be pursued at any time. Opportunities with timelines or deadlines are noted with a symbol.

Getting Started:
Explore new opportunities and interests.

New to UBC? Participate in orientation and transition programming to connect with other students and get involved in the campus community.
Find on-campus events to meet new people and get involved with the campus community using the Events Calendar.
Meet a Student Connector at Student Connect for help with navigating campus and to learn more about the opportunities available at UBC Okanagan.
Follow @UBCOSstudents on Instagram for campus tips, opportunities, and event updates.
Attend a Heat Varsity Athletics game. Admission is free with your student UBCcard.

Develop Interests and Broaden Perspectives:
Get more involved and build your skills and connections.

Branch out, get involved in student life, and have fun by joining a student association or the Quantitative Sciences Course Union to meet peers and participate in events and activities.
Get active! UBCO Recreation offers activities like intramural sports, fitness classes, and other special events and activities.
Build your networking skills with alumni working in careers of your desired industry by using Ten Thousand Coffees and LinkedIn or by attending career events and workshops.
Commute? Visit Colleges spaces on campus to relax, study, and socialize with others.
Planning to live on campus? Apply to join a Living Learning Community.

Immersive Experiences:
Take part in unique opportunities and programs. Find ways to immerse yourself in your experiences.

Explore professional associations in fields of interest for more information about potential careers, networking and professional development opportunities.
Give back to the campus community by volunteering or applying to work on campus: Student & Alumni Job Board.
Engage with your community in a meaningful way and help to create social change by participating in the Community Service Learning program.
Create your own student association, study group, or social club to connect with peers.

Connect your experiences
Whether you’re new-to-UBCO or nearing graduation, reflect on the questions below to help connect your values, interests, and education to your future career or personal goals. Practicing reflection can help deepen your learning, strengthen your connections, and encourage life-long learning. These reflection questions are meant to help you build a UBC Okanagan experience that is unique to you.
- What are you hoping to learn as you progress through your degree?
- What kind of career are you interested in after completing your degree?
- How will the skills and knowledge you acquire during your studies help you in your career after graduation?
- What relationships and experiences are you hoping to gain from your time at university?

Use the Program Plan regularly throughout your time at UBC to build an experience that is fulfilling and rewarding.