SCIENCE AND BUSINESS
Caitlin takes some time between classes to read about Canadian business law – a subject she became passionate about after learning it in her SCIBUS Workshops and furthering her studies in her Business Law course.

Best of all worlds.

Incorporate courses in science with expertise in business topics such as marketing, economics, accounting, and law.

Industry is moving fast, and so we need business leaders who can keep pace with new technologies and make quick decisions with certainty. Through this unique and highly flexible program, you’ll be prepared, experienced, and self-assured with the talent needed by scientific and business-oriented organizations.

SAMPLE CO-OP POSITIONS
› Marketing Research Analyst
› Marketing and Operations Coordinator
› Validation & Quality Assurance Analyst
› Special Projects Coordinator
› Sustainability Project Analyst

SAMPLE CO-OP EMPLOYERS
› TD Bank Group
› Toyota Motor Manufacturing Canada
› Apotex Inc.
› Department of National Defense, Royal Canadian Air Force
› Microsoft Canada Inc.

POSSIBLE CAREER FIELDS/PATHS
› Project and program management
› Business and operational analysis
› Technology development
› Marketing
› Mergers consultant

ONLY CO-OP PROGRAM OF ITS KIND in North America

87% of Science and Business students are in Co-op

100% employment rate for Science and Business graduates (within the first 6 months after convocation)
BECAUSE EXPERIENCE MATTERS

You can learn about the sciences and about business – but at Waterloo, we give you more opportunities that bring these worlds together. Where else can you actively consult on, and solve, real business problems within scientific organizations?

WatSolve is our student-run consulting team that uses expertise in marketing, operations, human resources, strategy, and finance to help science-based organizations become more effective, efficient, and resilient. Open to all Science and Business students, you’ll make a difference in industry before you’ve even had your first co-op interview. Now that’s ahead of the curve!

“My role in WatSolve required me to understand the concept that people and processes are intertwined and cannot be viewed separately.”

- Gabrielle, WatSolve HR Team Lead

SPECIALIZATIONS IN SCIENCE AND BUSINESS

**BIOCHEMISTRY**
Specialize your degree by studying the chemical processes in living organisms, and develop a foundation in chemistry to better understand and monitor biological systems.

**BIOLOGY**
Dive into the study of living organisms, exploring all aspects of life. From the laboratory to management, you’ll be well equipped for the future.

**BIOTECHNOLOGY**
Focus on the development of products or processes that use biological systems for a specific applied use – popular examples being personalized medicine, synthetic insulin, biofuels, and bioremediation.

**UNSPECIALIZED**
Keep your options open by staying within the unspecialized stream. Remain flexible to take courses that align with your passions while still attaining all of the benefits of the Science and Business program (such as involvement in the Science and Business Workshops, and WatSolve).

SKILLS ATTAINED WITHIN THIS MAJOR

› Business strategy
› Public speaking
› Conflict resolution
› Leadership
› Critical thinking

SCIENCE AND BUSINESS WORKSHOPS

Truly more than the sum of its parts, Science and Business offers a unique set of courses that specifically highlight how analytical thinking and scientific rigor intersect in business. Focus on:

› Technology innovation
› Strategic development
› Management and marketing of scientific and technical advances
› Organizational management of scientific organizations

Taught by seasoned individuals grounded in the often contrary worlds of academic, industrial, entrepreneurship, and public policy, you’ll develop the special skills that set Science and Business students apart.
COURSE OUTLINE

SAMPLE FIRST-TERM SCHEDULE

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<thead>
<tr>
<th>MONDAY</th>
<th>TUESDAY</th>
<th>WEDNESDAY</th>
<th>THURSDAY</th>
<th>FRIDAY</th>
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<tr>
<td>Calculus 1 hr</td>
<td>Predictive Analysis 1 hr</td>
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<td>Science and Business Workshop 3 hrs</td>
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<tr>
<td>Chemistry 3 hrs</td>
<td>Science Communications 3 hrs</td>
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YEAR 1 (FALL)
AFM 131 Introduction to Business in North America
CHEM 120/CHEM 120L General Chemistry 1/Lab
ENGL/SPCOM 193 Communication in the Sciences
MATH 127 Calculus 1 for the Sciences
SCBUS 123 Science and Business

YEAR 1 (WINTER)
CHEM 123/123L General Chemistry 2/Lab
CS 100 Introduction to Computing through Applications
ECON 101 Introduction to Microeconomics
MATH 128 Calculus 2 for the Sciences
SCBUS 122 Management of Business Organizations
1 of:
> 100- or 200-level BIOL course
> EARTH 122/EARTH 122L Introductory Environmental Sciences
> Science Elective

YEAR 2
AFM 123 Accounting Information for Managers
ECON 102 Introduction to Macroeconomics
ECON 201 Microeconomic Theory 1
ECON 221 Statistics for Economists
SCBUS 223 Strategies Behind Technology Innovations
4 Science Electives
1 of:
> 100- or 200-level BIOL course
> EARTH 121/EARTH 121L Introductory Earth Sciences/Lab
> PHYS 111/PHYS 111 Physics 1/Lab
> PHYS 121/PHYS 121L Mechanics/Lab

YEAR 3
AFM 231 Business Law
ECON 371 Business Finance 1
MGMT 220 Entrepreneurship and the Creative Workplace
SCBUS 225 Organizational Behaviour in Scientific and Technical Workplaces
SCBUS 323 Technology Development
5 Science Electives

YEAR 4
SCBUS 423 Strategic Management of Science and Business
5 Science Electives
1 Program Elective
2 Program or Science Electives
1 Elective

Course outline and schedule are subject to change at any time.
Course sequence may vary for students who choose the co-op system of study.

ugradcalendar.uwaterloo.ca/group/uwaterloo-faculty-of-science

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