

Computing Science and Mathematics

(Applied Mathematics)

Students can become future tech leaders by developing hands-on skills and a strong computing foundation. From computer systems to math and human-tech interaction, their knowledge will stay relevant despite tech changes. Learn more at uab.ca/AugPrograms.

YEAR 1	YEAR 2	YEAR 3	YEAR 4
• AIDS 101 • AUCSC 111 • AUCSC 112 • AUMAT 116 • AUMAT 120 • 3 units of 100-level AUBIO, AUCHE, AUENV or AUPHY • 3-9 units Fine Arts & Humanities • 3-6 units Social Sciences • 0-15 units Science Options • Options	• AUMAT 216 • AUMAT 240 • AUMAT 250 • AUSTA 215 • AUCSC 250 • 0-6 units from: ◦ AUMAT 328, 353 • 0-3 units Fine Arts & Humanities • 0-3 units Social Science • Options	• AUCSC 310 • AUMAT 332 • AUSCI 330 • 0-9 units from: ◦ AUMAT 316, 328, 350 • 0-3 units Fine Arts & Humanities • 0-3 units Social Sciences • Options	• AIDS 401 • AUSCI 430 • 0-9 units from: ◦ AUMAT 316, 320, 328, 350, 353 • Options • Recommended: ◦ AUSCI 385 Tutoring ◦ AUCSC 395/495 Directed Reading ◦ AUCSC 401/402 CSC Practicum

*The bachelor of science degree consists of 120 units, including **at least 66 units** in Science. Beyond major requirements, the applied mathematics stream requires 12 units of Science options.

AUGUSTANA PROJECT-BASED CORE:

Learn the skills needed to succeed in university and create projects while gaining real working experience. Learn more and see courses at uab.ca/AugCore

AIDS 101 (3 units, Fall)

The First-Year Seminar prepares students for university by teaching critical analysis, improving academic writing, fostering community involvement, and introducing career skills.

AIDS 401 (6 units, Fall & Winter)

Prepare for career success by tackling social issues through team projects. Practice interviewing, networking, proposal writing, budgeting for projects, and data analysis.



*Your Academic Requirement Report in Bear Tracks shows your progress and provides complete details on your program. Not every student's path will be this linear. You may choose to take a lighter course load, take time off or participate in extracurriculars that will extend your program time. We recommend speaking to a student advisor about planning your degree. **Learn more at uab.ca/AugSAS***

Computing Science and Mathematics

(Applied Mathematics)

Degree-Enhancing Experiences:

Make the most of your time at university - take advantage of these opportunities and more!

Professional Practicum

Gain hands-on experience and professional insight with a four-month placement in software development and information systems.

Mathematics & Computing Support Centre

Individual tutoring in Calculus, Java, Linear Algebra, and Python is available 5 evenings per week.

Certificate in Interdisciplinary Leadership Studies

Develop the skills, insights and confidence needed to take on the challenge of leadership in all aspects of life and society with this embedded certificate.

Directed Studies

Engage in an intensive study of a specific Computing Science area, defined by you and a supervising instructor. Complete a software project in your chosen field.

Prepare yourself for a successful future:

Build your career knowledge, skills and connections throughout your degree. More ideas at uab.ca/AugCS

YEAR 1

- Create your first professional resume
- Explore potential career pathways
- Join student groups and volunteer

YEAR 2

- Attend seminars on managing your career and job search
- Participate in the Job Shadow Program, Career Conversations, or conduct informational Interviews

YEAR 3

- Confirm with an advisor you are on track for graduation
- Get curious at Employer Information Sessions, Career Fairs, Mixers, Lunch and Learns, etc.

YEAR 4

- Refine your job interview skills
- Seek out networking opportunities on or off campus

GET INVOLVED ON CAMPUS

Athletics & Campus Rec
Chaplaincy
Augustana Students' Association
Campus Clubs
Music & Theatre productions

Learn more by
contacting us at:

uab.ca/AugSAS



UNIVERSITY
OF ALBERTA