

# Chemical and Physical Sciences

## (Chemistry)

**Explore the mysteries** of matter and energy! Delve into how these fundamental elements can be transformed and measured in complex systems. With courses in Chemistry and Physics, you'll engage in both technical and theoretical learning, both in the classroom and in the lab.

Learn more at [uab.ca/AugPrograms](http://uab.ca/AugPrograms)

YEAR 1	YEAR 2	YEAR 3	YEAR 4
<ul style="list-style-type: none"> <li>• AIDS 101</li> <li>• AUCHE 110</li> <li>• AUCHE 112</li> <li>• AUPHY 110</li> <li>• AUPHY 120</li> <li>• AUMAT 116</li> <li>• 3 units Fine Arts</li> <li>• 3 units Humanities</li> <li>• 3-6 units Social Sciences</li> <li>• Options</li> </ul>	<ul style="list-style-type: none"> <li>• Collaborative Seminar</li> <li>• AUCHE 220</li> <li>• AUCHE 221</li> <li>• AUCHE 230</li> <li>• AUCHE 250</li> <li>• AUCHE 279</li> <li>• 0-3 units from: <ul style="list-style-type: none"> <li>◦ AUCHE 252</li> </ul> </li> <li>• 0-3 units Fine Arts</li> <li>• 0-3 units Humanities</li> <li>• 0-3 units Social Sciences</li> <li>• Options</li> </ul>	<ul style="list-style-type: none"> <li>• AIDS 301</li> <li>• AUCHE 350</li> <li>• AUCHE 351</li> <li>• 6-9 units from: <ul style="list-style-type: none"> <li>◦ AUCHE 252, 323, 324, 325, 341, 352, 353, 430, 450</li> </ul> </li> <li>• 0-3 units Fine Arts</li> <li>• 0-3 units Humanities</li> <li>• 0-3 units Social Sciences</li> <li>• Options</li> </ul>	<ul style="list-style-type: none"> <li>• AIDS 401</li> <li>• AUSCI 405</li> <li>• 6-9 units from: <ul style="list-style-type: none"> <li>◦ AUCHE 252, 323, 324, 325, 341, 352, 353, 430, 450</li> </ul> </li> <li>• 0-3 units Fine Arts</li> <li>• 0-3 units Humanities</li> <li>• 0-3 units Social Sciences</li> <li>• Options</li> </ul>

### 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](http://uab.ca/AugCore)

<p><b>AIDS 101</b> (Fall 3-week)</p> <p>The First-Year Seminar prepares students for university by teaching critical analysis, improving academic writing, fostering community involvement and introducing career skills.</p>	<p><b>Collaborative Seminar</b> (Fall 11-week)</p> <p>Option: AIDS 301 (Winter 3 &amp; 11)</p> <p>Develops teamwork skills through multidisciplinary projects, enhancing career readiness in project management, communication and teamwork.</p>	<p><b>AIDS 301</b> (Fall or Winter)</p> <p>Option: Collaborative Seminar (Fall 11-week)</p> <p>Cultivate teamwork by partnering with a local organization to address a need. Gain practical experience, and enhance career skills crucial for industry, client relations and community engagement.</p>	<p><b>AIDS 401</b> (Winter 11-week)</p> <p>Option: AIDS 301 (Fall)</p> <p>Prepare for career success by tackling social issues through team projects. Practice interviewing, networking, proposal writing, budgeting for projects and data analysis.</p>
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*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](http://uab.ca/AugSAS)***

# Chemical and Physical Sciences

## (Chemistry)

### Check out some degree-enhancing opportunities:

Make the most of your degree by taking advantage of these unique opportunities:

#### Undergraduate Research

Work one-on-one with professors on research topics. Gain valuable research experience that can help you prepare for graduate school.

#### Science Mentorship

AUSCI 425 involves weekly lab instruction for first year laboratory classes. Learn how to teach and mentor junior students.

#### Lab-Based Courses

Enroll in a number of chemistry lab-based courses designed to help you develop cutting-edge technical lab skills needed for advanced-degree programs and employment!

#### Augustana Chemistry Society

Provides both social and academic events for members as well as tutor and help sessions.

### Prepare for your career:

Build your career knowledge, skills, & connections throughout your degree. More ideas at [uab.ca/AugCS](http://uab.ca/AugCS)

#### YEAR 1

- Create your first professional resume
- Explore potential career pathways

#### YEAR 2

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

#### YEAR 3

- Get curious at Employer Information Sessions, Career Fairs, Mixers, Lunch and Learns

#### YEAR 4

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

## GET INVOLVED ON CAMPUS

Athletics & Campus Rec  
Augustana Chaplaincy  
Augustana Students' Association  
Campus Clubs  
The Augustana Choir

Learn more by contacting us at:

[uab.ca/AugSAS](http://uab.ca/AugSAS)