

# Chemical and Physical Sciences

## (Physics)

**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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
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| <ul style="list-style-type: none"> <li>• AUIDS 101</li> <li>• AUCHE 110</li> <li>• AUCHE 112</li> <li>• AUPHY 110</li> <li>• AUPHY 120</li> <li>• AUPHY 170</li> <li>• AUMAT 116</li> <li>• AUMAT 120*</li> <li>• AUCSC 111*</li> <li>• 0-3 units Fine Arts</li> <li>• 0-3 units Humanities</li> <li>• 0-6 units Social Science</li> <li>• Options</li> <li>• *May be taken in Year 2 instead</li> </ul> | <ul style="list-style-type: none"> <li>• AUCHE 230</li> <li>• AUCHE 279</li> <li>• 3-9 units from Physics: <ul style="list-style-type: none"> <li>◦ AUPHY 250</li> <li>◦ AUPHY 260</li> <li>◦ AUPHY 270</li> </ul> </li> <li>• 3-6 units from Mathematics: <ul style="list-style-type: none"> <li>◦ AUMAT 120</li> <li>◦ AUMAT 216</li> <li>◦ AUMAT 240</li> </ul> </li> <li>• 0-3 units Fine Arts or Humanities</li> <li>• 0-6 units Social Science</li> <li>• Options</li> </ul> | <ul style="list-style-type: none"> <li>• 3-9 units from Physics: <ul style="list-style-type: none"> <li>◦ AUPHY 250</li> <li>◦ AUPHY 260</li> <li>◦ AUPHY 270</li> <li>◦ AUPHY 375</li> <li>◦ AUPHY 391</li> </ul> </li> <li>• 3-9 from Mathematics: <ul style="list-style-type: none"> <li>◦ AUMAT 120</li> <li>◦ AUMAT 216</li> <li>◦ AUMAT 240</li> <li>◦ AUMAT 316</li> </ul> </li> <li>• 0-3 units Fine Arts</li> <li>• 0-3 units Humanities</li> <li>• 0-6 units Social Science</li> <li>• Options</li> </ul> | <ul style="list-style-type: none"> <li>• AUIDS 401</li> <li>• AUSCI 405</li> <li>• All remaining from: <ul style="list-style-type: none"> <li>◦ Physics: <ul style="list-style-type: none"> <li>▪ AUPHY 250</li> <li>▪ AUPHY 260</li> <li>▪ AUPHY 270</li> <li>▪ AUPHY 375</li> <li>▪ AUPHY 391</li> </ul> </li> <li>◦ Mathematics: <ul style="list-style-type: none"> <li>▪ AUMAT 120</li> <li>▪ AUMAT 216</li> <li>▪ AUMAT 240</li> <li>▪ AUMAT 316</li> </ul> </li> <li>◦ Fine Arts</li> <li>◦ Humanities</li> <li>◦ Social Science</li> </ul> </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)

#### AUIDS 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.

#### AUIDS 401 (6 units, Fall & Winter)

Students gain the skills and knowledge needed to work professionally with community partners, while reinforcing their ability to work collaboratively on a project. Students will also gain the skills and tools to market the knowledge acquired in their degree in competitive job markets.



*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

## (Physics)

### Degree-Enhancing Experiences:

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

#### 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

Senior mentors help to facilitate introductory lab courses including supervision, logistics, safety and procedures. Learn how to teach, communicate, and mentor junior students.

#### Certificate in Innovation and Entrepreneurship

Cultivate your skills and capacity to make a difference in the world by transforming inventions into novel products.

#### Augustana Chemistry Society

This student group coordinates social, professional, and academic events for members. Tutors host midterm review sessions and individual tutoring.

### Prepare yourself for a successful future:

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
- Join student groups and volunteer

#### 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)



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