

## SYLLABUS

CHEM 3060 QUANTUM CHEMISTRY AND  
SPECTROSCOPY

## INSTRUCTOR

## COURSE DESCRIPTION

## Overview

<b>Course</b>	CHEM 3060
<b>Department</b>	Chemistry
<b>Pre-Requisites</b>	"C-" or better in ((CHEM 1220 OR CHEM 1221 OR AP CHEM score of 5+) AND (PHYS 2220 OR PHYS 3220)) AND ("C" or better in (MATH 1260 OR MATH 1321 OR MATH 2210) OR "C-" or better in (MATH 2250 OR MATH 3140 OR MATH 3150)).
<b>Credit Hours</b>	4
<b>Semester</b>	Fall 2022
<b>Description</b>	Introduction to quantum mechanics, electronic structure of molecules, and spectroscopy. Students need to have mastered the concepts in MATH 2210, PHYS 2220, and CHEM 1220 or 1221 in order to succeed in this course. Significant mastery of the concepts in MATH 2250 is also highly recommended.

## Goals &amp; Objectives

Physical chemistry is likely the most fundamental course in your curriculum, and for this reason, it is the most exciting. Rather than accepting that chemistry "just happens," physical chemistry provides an explanation and the possibility of prediction. Physical chemistry is also, historically, the most dreaded course in your curriculum. This difficulty is not by design. I hope that all of you succeed and enjoy the wonderful world of quantum mechanics. However, this course

marks a distinct shift in your scientific education. First, it is much more mathematical than any chemistry course that you have taken to date. We will use algebra, calculus, vectors, differential equations, and matrix algebra, and all of these techniques will provide rather abstract representations of chemical systems. Furthermore, quantum mechanics makes a sharp departure from classical notions. This lack of intuition means that we *must* rely on the mathematics, which doubles the difficulty. Therefore, this course will focus on both the conceptual and mathematical sides and attempt to help you connect the two.

The rewards for developing an understanding of quantum mechanics are great. Quantum mechanics allows questions to be answered that simply cannot be answered in any other way. Questions like: Why is the bond in  $N_2$  stronger than in  $O_2$ ? and Why do two hydrogen atoms bond to form a molecule at all? Quantum mechanics is the underlying theory that quantitatively explains all of chemistry. Powerful stuff!

This class is an upper-division course, and it is probably one of the most demanding of the chemistry courses that you will encounter. I expect your effort to match these demands. I expect you to be able to recall material from previous courses and use this information to solve physical chemistry problems. I expect you to internalize the material and be able to apply it to problems not covered in homework assignments. Exam questions may be different from the homework, lectures, and from the textbook. This design is not intended to trick you or set you up for failure. It is intended to test your ability to *apply* quantum chemistry principles to new situations, which is the ultimate aim of this course. We will practice such exercises throughout the semester. Some tips for success...

-My lectures are for you, not to hear myself talk. Listen to them! I will provide information that goes beyond the textbook and will teach you how to think about physical chemistry problems.

-Physical chemistry is a team sport. Do homework in groups by setting up Zoom meetings, seek help from your colleagues, and provide help to them when they ask. Teaching can be as much of a learning experience as asking. When you write up your answers, however, make sure that YOU are working through the problem yourself.

-If you need help, get help. I am available, your TA is available, and you have many intelligent classmates. Take advantage of these resources.

-Your textbook and my notes are helpful but are not the only source. If the explanation does not make sense to you, seek out other texts at the library or find internet sources. My lecture notes are very detailed, and these are your best guide to what I expect you to know in the course.



-Finally, the onus is on *you* to succeed in this course. Your success is dictated by your effort and ambition, not your professor, not your TA, not your textbook. I will provide all of the necessary tools for you to succeed; it is up to you to make use of them.

At the end of this course, students will be able to:

- Understand the limitations of classical mechanics at molecular length scales, the difference between classical and quantum mechanics, and how to connect quantum mechanical operators to observable quantities.
- Distinguish probabilities, amplitudes, averages, expectation values, and observables
- Understand how molecular phenomena can be related to model problems
- Understand how to interpret atomic and molecular spectra
- Understand common approximation methods for standard chemical frameworks (Born-Oppenheimer approximation, molecular orbital approximation, for example)
- Develop molecular-level critical thinking skills

## Required Materials

Materials used in this course are:

- I plan to hold office hours over Zoom, so more students can participate. For this reason, I think that a webcam & microphone will be needed. The exams will also probably be given via Canvas, so the ability to scan written work into PDF format will be necessary for the course. You should ensure you have these resources ahead of time as they will likely be needed to complete assignments and activities throughout the course.
- Textbook: *Physical Chemistry: A Molecular Approach* (McQuarrie & Simon, University Science Books, 1997, ISBN 9780935702996). You can shop for the book and purchase a print copy, a print rental, or an eBook rental at the [University of Utah bookstore](https://utah.verbacompare.com/comparison?id=10546870)  (<https://utah.verbacompare.com/comparison?id=10546870>). [This is the recommended text, but I will teach from my notes, which I'll make available on Canvas. This book may be useful as a reference, however.] We will cover material from Chapters 1-15 in this course. If you take CHEM 3070, you will concentrate on the subsequent chapters of this same text. Most students find that my lecture notes are sufficient; others find it is really helpful to read another source.
- My lecture notes (available on Canvas as PDF files) are the most useful reference for this course. **You should study them in depth.** Many students find them to be more helpful than any text book.
- Video recorded versions of my lectures from previous years will be available. You are strongly encouraged to come to class, though. **My experience is that students who don't come to class don't do well in this course.** This really shouldn't come as a surprise.
- I also highly recommend the YouTube series on Quantum Chemistry and Spectroscopy and will direct you to appropriate videos as we work through the material for the course. Here's the link for the whole series: [YouTube Quantum Chemistry and Spectroscopy](https://www.youtube.com/playlist?list=PLm8ZSArAXicL3jKr_0nHHs5TwhdkMFhh)  ([https://www.youtube.com/playlist?list=PLm8ZSArAXicL3jKr\\_0nHHs5TwhdkMFhh](https://www.youtube.com/playlist?list=PLm8ZSArAXicL3jKr_0nHHs5TwhdkMFhh))

## Communication

- All course materials, such as lecture slides, assignments, solutions, grades, etc. will be posted on the Course Canvas site [CHEM 3060 F2023 \(https://utah.instructure.com/courses/891203\)](https://utah.instructure.com/courses/891203). Class announcements will be done via email through the Canvas server. **You will be responsible for any information contained in them as well as the information announced in class.**
- It is your responsibility to also regularly check your Umail (make sure you set up forwarding if you do not check it regularly), as your Umail is the only way for me to communicate privately with you. There will be occasions during the semester that I may need to reach out to you individually (e.g. regarding a grade or assignment) and it is in your best interest to respond promptly.
- Feel free to contact me by email for questions at [morse@chem.utah.edu \(mailto:morse@chem.utah.edu\)](mailto:morse@chem.utah.edu), I will do my best to answer emails promptly; I will try to answer within 12 hours. I would like to encourage you to email me only if it is something personal that requires individual attention. If instead you have questions about logistics of the class, course material and assignments, and anything else your classmates may wonder as well, please post a question on the Discussion Board ([Module 1 Discussion Board \(https://utah.instructure.com/courses/891203/discussion\\_topics/6002943?module\\_item\\_id=21282323\)](https://utah.instructure.com/courses/891203/discussion_topics/6002943?module_item_id=21282323)) instead. This way the information is shared quickly to the entire class, and each of you can benefit from seeing other classmates' questions.
- I will always do my best to ensure the communication relevant to the course is clear and transparent, it is your responsibility as well to keep yourself updated by regularly checking: the announcements on Canvas, your Umail, the posts on the Discussion Board, and pay attention to the announcements given in class and Discussion Section.
- Students are expected to log in and check Canvas **every day** for posted announcements and assignments. Students are also strongly advised to set up notifications for Canvas so they do not miss any important notifications.)Please review the communication methods and requirements for this course:

## PREFERRED CONTACT METHODS

The best way to contact me is to send me a direct email at [morse@chem.utah.edu \(mailto:morse@chem.utah.edu\)](mailto:morse@chem.utah.edu). Our teaching assistant, Jacob Jensen, may be reached directly via email at [u1469771@utah.edu \(mailto:u1469771@utah.edu\)](mailto:u1469771@utah.edu) or [kjeldahl.jacob@gmail.com. \(mailto:kjeldahl.jacob@gmail.com\)](mailto:kjeldahl.jacob@gmail.com)

## Office Hours

I (Michael Morse) will hold office hours on Tuesdays and Thursdays, at a time chosen in consultation with the class using Zoom. No passcode will be required for Michael's office hours on Zoom. Our teaching assistant (not yet named) will also hold office hours that will be set up in consultation with the class.

## Evaluation

Your performance in this course will be evaluated by:

- Homework and Quizzes given in discussion section - 26%
- Mid-term exam 1, on Friday, September 22 - 16%
- Mid-term exam 2, on Friday, October 27 - 16%
- Mid-term exam 3, on Tuesday, November 28 - 16%
- Final exam on Wednesday, December 13 - 26%

All of the exams will be given using the Quiz facility on Canvas and can be taken at any time that day. Dates are approximate and may be changed slightly as the course progresses.

*Absence during exam:* Exams will be administered on predesignated dates (see above). If you are unable to take the exam for a valid reason (illness, family emergency, etc.), I will require a written note stating the reason. For example, if you fall ill, please bring a note from your physician. I will not allow any makeup exams without a valid excuse.

*Exam accommodations:* I honor any requests for accommodations that is accompanied with a note from the Center for Disability Services. Please email the form to me if you require a signature. If you feel that you will need accommodations but have not seen been evaluated by CDS, please note that it takes time and you should start the process early. Do not contact me the week of the exam and say that you need accommodations, but that your appointment is not for another week or two. I WILL NOT honor any requests that are not accompanied by a note from CDS.

All quizzes/exams will be conducted online using the Quiz facility in Canvas.

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## COURSE POLICIES

### Submitting Assignments

All assignments, unless otherwise announced, must be submitted to the designated area of Canvas. Do not submit assignments via email. For many of the homework assignments, it will

be best to work out the solutions on paper and then scan the solutions into PDF format for submission. **Make sure the pages are numbered and in proper sequence.** Submission of photographs of your work (JPGs) is **unacceptable**.

## Late Assignments

Generally, late assignments will not be accepted unless a previous arrangement has been made with the instructor (Prof. Morse).

## Grading

### GRADING SCALE FOR THIS COURSE:

Letter	Scoring
A	100% - 90%
A-	90% - 85.5%
B+	85.5%–82%
B	82%–77%
B-	77% - 74%
C+	74%–70%
C	70%–61%
C-	61% - 56%
D	56%–50%
E	50%–0%

**Please note that the percentage score calculated by Canvas does not weight the different types of assignments (see above) properly.** If you wish to get a more accurate assessment of your standing in the class and your likely grade, you will need to download or enter your scores into a spreadsheet and weight them as indicated above. Typically, the number of points assigned to Homework and Quizzes is greater than their weighting in the course, so Canvas overestimates their contribution to your grade compared to the contribution from exams. I don't know how to correct for this within Canvas.

## Accommodations

## DISCLAIMER

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**Accommodations will be considered on an individual basis and may require documentation.**

Please contact Prof. Morse as soon as possible (preferably shortly before the semester begins) to request accommodations of any kind.

## EXTREME PERSONAL CIRCUMSTANCES

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Please **contact Prof. Morse as soon as possible** if an extreme personal circumstance (hospitalization, death of a close relative, natural disaster, etc.) is interfering with your ability to complete your work.

## RELIGIOUS PRACTICE

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To request an accommodation for religious practices, **contact Prof. Morse at the beginning of the semester.**


## ACTIVE DUTY MILITARY

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If you are student on active duty with the military and experience issues that prevent you from participating in the course **because of deployment or service responsibilities, contact Prof. Morse as soon as possible** to discuss appropriate accommodations.

## DISABILITY ACCESS



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All written information in this course can be made available in an alternative format with prior notification to the Center for Disability Services (CDS). CDS will work with you and Prof. Morse to make arrangements for accommodations. Prior notice is appreciated. To read the full accommodations policy for the University of Utah, please see Section Q of the **[Instruction & Evaluation regulations](http://regulations.utah.edu/academics/6-100.php)**  (<http://regulations.utah.edu/academics/6-100.php>).

If you will need accommodations in this class, contact:

**Center for Disability Services**

 801-581-5020

 [disability.utah.edu](https://disability.utah.edu)  (<https://disability.utah.edu/>)

 162 Union Building  
200 S. Central Campus Dr.  
Salt Lake City, UT 84112

## Changes to the Syllabus


**This syllabus is not a contract.** It is meant to serve as an outline and guide for your course. Please note that your instructor may modify it to accommodate the needs of your class.

**You will be notified of any changes to the Syllabus.**

## UONLINE EXPECTATIONS

### UOnline Student Expectations

Though the online format allows students greater flexibility to complete their work, this course does have a structure and timeline! As such, the following is expected of all students in this class:

- Students must be **self-motivated, organized, and willing to stay on top of their schedule**. Students should take control of their learning while in this course.
- Students are expected to **follow the [Core Rules of Netiquette](http://www.albion.com/netiquette/corerules.html)**  (<http://www.albion.com/netiquette/corerules.html>) at all times while participating in the class and communicating with others.
- Students will **log in** to the course a minimum of **3 times per week**.
- Students are **not expected to interact with their classmates in person**. Students **may be expected to work with classmates via online communication** options like Canvas Discussions, video conferencing, or another communication technologies of choice (Groupme, FaceTime, Google Hangouts, etc).
- Students will **regularly check for course updates** and will **update their Canvas notification settings** to ensure they receive timely notifications from the course.
- Students will **contact their instructor or teaching assistant** in a timely manner if they have any **questions**, are **struggling** with course materials, or **need further assistance** from their instructor.
  - If you do not hear back within 3 days after sending a message, please contact your instructor/TA again.



- Students will **follow all official University of Utah policies** regarding interpersonal conduct, academic dishonesty, and other rights and responsibilities of students outlined in the **University of Utah Student Handbook** [↗\(https://registrar.utah.edu/handbook/\)](https://registrar.utah.edu/handbook/) and **Code of Student Rights and Responsibilities** [↗\(https://regulations.utah.edu/academics/6-400.php\)](https://regulations.utah.edu/academics/6-400.php).
  - If you have any questions about this, please contact the **Dean of Students** [↗\(https://deanofstudents.utah.edu/\)](https://deanofstudents.utah.edu/).

## UOnline Instructor Expectations

Your course instructor is an expert in the topics you will learn about this semester. Your instructor is your mentor and facilitator of the classroom experience, aided by teaching assistants. Instructors are committed to:

- The instructor will design the course to **include lectures, learning materials, and assignments that are accessible** and provide students with **opportunities to learn** and practice course content.
- The instructor and teaching assistants will ensure that the **course remains a safe space** where students can engage with difficult content thoughtfully and respectfully.
- The instructor and teaching assistants will **interact with the class regularly** via announcements, virtual office hours (one-on-one video conferencing), emails/the Canvas Inbox, feedback on assignments, and comments on Discussions, among other methods.
- The instructor and teaching assistants will **respond to students in a timely manner**: within 48 hours, not including weekends and holidays.
- The instructor and teaching assistants will be **available for individual consultation** via virtual office hours (one-on-one video conferencing), email, or phone and **will not require students to meet in person**.
- The instructor and teaching assistants will **provide relevant feedback in a timely manner**.
- The instructor and teaching assistants will **follow all official University of Utah policies** regarding interpersonal conduct, accommodations, and other important duties.

## UNIVERSITY POLICIES

### COVID-19 Campus Guidelines

# CAMPUS COVID-19 RESOURCES

## INFORMATION & PRECAUTIONS

### We are a mask friendly campus

Masks are no longer required in indoor spaces on main campus. The general public will not be required to wear masks in public facilities—including the Utah Museum of Fine Arts, Natural History Museum of Utah, and Pioneer Theatre. It is important that our campus remain “mask-friendly.” Those who still wish to wear masks are encouraged to do so, especially those at high risk of severe illness from COVID-19.

**Masks are now optional in most University of Utah Health facilities. Please read the [policy here](#).**



**VACCINATION INFORMATION**





## **GUIDANCE FOR THE CAMPUS COMMUNITY**



## **WORK REIMAGINED**



**COVID-19 Central @ The U**

 801-213-2874

 [coronavirus.utah.edu \(https://coronavirus.utah.edu/\)](https://coronavirus.utah.edu/)

## Drop/Withdrawal Policies

Students may drop a course within the first two weeks of a given semester without any penalties.

Students may officially withdraw (W) from a class or all classes after the drop deadline through the midpoint of a course. A “W” grade is recorded on the transcript and appropriate tuition/fees are assessed. The grade “W” is not used in calculating the student’s GPA.

For deadlines to withdraw from full-term, first, and second session classes, see the U's [Academic Calendar](https://registrar.utah.edu/academic-calendars/index.php)  [. \(https://registrar.utah.edu/academic-calendars/index.php\)](https://registrar.utah.edu/academic-calendars/index.php).

## Plagiarism and Cheating

It is assumed that all work submitted to your instructor is your own work. When you have used the ideas of others, you must properly indicate that you have done so.



Plagiarism and cheating are serious offenses and may be punished by failure on an individual assignment, and/or failure in the course. Academic misconduct, according to the University of Utah Student Code,

*“...Includes, but is not limited to, cheating, misrepresenting one’s work, inappropriately collaborating, plagiarism, and fabrication or falsification of information...It also includes facilitating academic misconduct by intentionally helping or attempting to help another to commit an act of academic misconduct.”*

For details on plagiarism and other important course conduct issues, see the U's [Code of Student Rights and Responsibilities](http://regulations.utah.edu/academics/6-400.php)  [. \(http://regulations.utah.edu/academics/6-400.php\)](http://regulations.utah.edu/academics/6-400.php).

## Course Materials Copyright

**The Content is made available only for your personal, noncommercial educational, and scholarly use.** You may not use the Content for any other purpose, or distribute, post or make the Content available to others unless you obtain any required permission from the copyright holder. Some Content may be provided via streaming or other means that restrict copying; you may not circumvent those restrictions. You may not alter or remove any copyright or other proprietary notices included in the Content.

Please see the [Code of Student Rights and Responsibilities](https://regulations.utah.edu/academics/6-400.php)   [\(https://regulations.utah.edu/academics/6-400.php\)](https://regulations.utah.edu/academics/6-400.php), Section III.A.5 regarding the **use and distribution of class Content**   [\(https://regulations.utah.edu/academics/6-400.php\)](https://regulations.utah.edu/academics/6-400.php) and materials. Section III.A.5. prohibits the following:  
Sale or distribution of information representing the work product of a faculty member to a commercial entity for financial gain without the express written permission of the faculty

member responsible for the course. (“Work product” means original works of authorship that have been fixed in a tangible medium and any works based upon and derived from the original work of authorship.)

## Safety at the U

The University of Utah values the safety of all campus community members. You will receive important emergency alerts and safety messages regarding campus safety via text message.

For more safety information and to view available training resources, including helpful videos, visit [safeu.utah.edu](http://safeu.utah.edu) ([http://safeu.utah.edu/](http://safeu.utah.edu)).

To report suspicious activity or to request a courtesy escort, contact:

### Campus Police & Department of Public Safety

☎ 801-585-COPS (801-585-2677)

🌐 [dps.utah.edu](https://dps.utah.edu) ([https://dps.utah.edu/](https://dps.utah.edu))

📍 1735 E. S. Campus Dr.  
Salt Lake City, UT 84112

## Wellness at the U

Your personal health and wellness are essential to your success as a student. Personal concerns like stress, anxiety, relationship difficulties, depression, or cross-cultural differences can interfere with a student’s ability to succeed and thrive in this course and at the University of Utah.

Please feel welcome to reach out to your instructor or TA to handle issues regarding your coursework.

For helpful resources to manage your personal wellness and counseling options, contact:

### Center for Student Wellness

☎ 801-581-7776

🌐 [wellness.utah.edu](http://wellness.utah.edu) (<http://wellness.utah.edu/>)

📍 2100 Eccles Student Life Center  
1836 Student Life Way  
Salt Lake City, UT 84112

### Women's Resource Center

☎ 801-581-8030

🌐 [womenscenter.utah.edu](https://womenscenter.utah.edu) (<https://womenscenter.utah.edu/>)

📍 411 Union Building  
200 S. Central Campus Dr.  
Salt Lake City, UT 84112

## Addressing Sexual Misconduct

Title IX makes it clear that violence and harassment based on sex and gender (which includes sexual orientation and gender identity/expression) is a civil rights offense subject to the same kinds of accountability and the same kinds of support applied to offenses against other protected categories such as race, national origin, color, religion, age, status as a person with a disability, veteran's status, or genetic information.

If you or someone you know has been harassed or assaulted, you are encouraged to report it to university officials:

### Title IX Coordinator & Office of Equal Opportunity and Affirmative Action

📞 801-581-8365

🌐 [oeo.utah.edu](https://oeo.utah.edu) → [\(https://oeo.utah.edu/\)](https://oeo.utah.edu/)

📍 135 Park Building  
201 Presidents' Cir.  
Salt Lake City, UT 84112

### Office of the Dean of Students

📞 801-581-7066

🌐 [deanofstudents.utah.edu](https://deanofstudents.utah.edu) → [\(https://deanofstudents.utah.edu/\)](https://deanofstudents.utah.edu/)

📍 270 Union Building  
200 S. Central Campus Dr.  
Salt Lake City, UT 84112

To file a police report, contact:

### Campus Police & Department of Public Safety

📞 801-585-COPS (801-585-2677)

🌐 [dps.utah.edu](https://dps.utah.edu) → [\(https://dps.utah.edu/\)](https://dps.utah.edu/)

📍 1735 E. S. Campus Dr.  
Salt Lake City, UT 84112

If you do not feel comfortable reporting to authorities, the U's Victim-Survivor Advocates provide **free, confidential, and trauma-informed** support services to **students, faculty, and staff** who have experienced interpersonal violence.

To **privately** explore options and resources available to you with an advocate, contact:

### Center for Student Wellness

📞 801-581-7776

🌐 [wellness.utah.edu](http://wellness.utah.edu) (<http://wellness.utah.edu/>)

📍 328 Student Services Building  
201 S. 1460 E.  
Salt Lake City, UT 84112

## Americans With Disabilities Act (ADA)

The University of Utah seeks to provide equal access to its programs, services, and activities for people with disabilities.


All written information in this course can be made available in an alternative format with prior notification to the Center for Disability & Access (CDA). CDA will work with you and the instructor to make arrangements for accommodations. Prior notice is appreciated. To read the full accommodations policy for the University of Utah, please see Section Q of the [Instruction & Evaluation regulations](http://regulations.utah.edu/academics/6-100.php) [↗](http://regulations.utah.edu/academics/6-100.php) (<http://regulations.utah.edu/academics/6-100.php>).

If you will need accommodations in this class, or for more information about what support they provide, contact:

### Center for Disability & Access

 801-581-5020

 [disability.utah.edu](https://disability.utah.edu) [↗](https://disability.utah.edu) ([https://disability.utah.edu/](https://disability.utah.edu))

 162 Union Building  
200 S. Central Campus Dr.  
Salt Lake City, UT 84112

## Diverse Student Support

Your success at the University of Utah is important to all of us here! If you feel like you need extra support in academics, overcoming personal difficulties, or finding community, the U is here for you.

## STUDENT SUPPORT SERVICES (TRIO)

TRIO federal programs are targeted to serve and assist low-income individuals, first-generation college students, and individuals with disabilities.


Student Support Services (SSS) is a TRIO program for current or incoming undergraduate university students who are seeking their first bachelor's degree and need academic assistance and other services to be successful at the University of Utah.

For more information about what support they provide, a list of ongoing events, and links to other resources, view their website or contact:

### Student Support Services (TRIO)

 801-581-7188

 [trio.utah.edu](https://trio.utah.edu) [↗](https://trio.utah.edu) ([https://trio.utah.edu/](https://trio.utah.edu))

 Room 2075  
1901 E. S. Campus Dr.  
Salt Lake City, UT 84112

## AMERICAN INDIAN STUDENTS

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The AIRC works to increase American Indian student visibility and success on campus by advocating for and providing student-centered programs and tools to enhance academic success, cultural events to promote personal well-being, and a supportive “home-away-from-home” space for students to grow and develop leadership skills.

For more information about what support they provide, a list of ongoing events, and links to other resources, view their website or contact:

### American Indian Resource Center

📞 801-581-7019

🌐 [diversity.utah.edu/centers/airc](https://diversity.utah.edu/centers/airc) ↗️ (<https://diversity.utah.edu/centers/airc/>)

📍 Fort Douglas Building 622  
1925 De Trobriand St.  
Salt Lake City, UT 84113

## BLACK STUDENTS

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Using a pan-African lens, the Black Cultural Center seeks to counteract persistent campus-wide and global anti-blackness. The Black Cultural Center works to holistically enrich, educate, and advocate for students, faculty, and staff through Black-centered programming, culturally affirming educational initiatives, and retention strategies.

For more information about what support they provide, a list of ongoing events, and links to other resources, view their website or contact:

### Black Cultural Center

📞 801-213-1441

🌐 [diversity.utah.edu/centers/bcc](https://diversity.utah.edu/centers/bcc) ↗️ (<https://diversity.utah.edu/centers/bcc/>)

📍 Fort Douglas Building 603  
95 Fort Douglas Blvd.  
Salt Lake City, UT 84113

## STUDENTS WITH CHILDREN

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Our mission is to support and coordinate information, program development, and services that enhance family resources as well as the availability, affordability, and quality of child care for University students, faculty, and staff.


For more information about what support they provide, a list of ongoing events, and links to other resources, view their website or contact:



### **Center for Childcare & Family Resources**

 801-585-5897

 [childcare.utah.edu](https://childcare.utah.edu)  (<https://childcare.utah.edu/>)

 408 Union Building  
200 S. Central Campus Dr.  
Salt Lake City, UT 84112

## **STUDENTS WITH DISABILITIES**

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The Center for Disability and Access is dedicated to serving students with disabilities by providing the opportunity for success and equal access at the University of Utah. They also strive to create an inclusive, safe, and respectful environment.

For more information about what support they provide and links to other resources, view their website or contact:

### **Center for Disability and Access**

 801-581-5020

 [disability.utah.edu](https://disability.utah.edu)  (<https://disability.utah.edu/>)

 162 Union Building  
200 S. Central Campus Dr.  
Salt Lake City, UT 84112

## **STUDENTS OF ETHNIC DESCENT**

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The Center for Ethnic Student Affairs offers several programs dedicated to the success of students with varied cultural and ethnic backgrounds. Its mission is to create an inclusive, safe campus community that values the experiences of all students.

For more information about what support they provide, a list of ongoing events, and links to other resources, view their website or contact:

### **Center for Ethnic Student Affairs**

 801-581-8151

 [diversity.utah.edu/centers/cesa/](https://diversity.utah.edu/centers/cesa/)  (<https://diversity.utah.edu/centers/cesa/>)

 235 Union Building  
200 S. Central Campus Dr.  
Salt Lake City, UT 84112

## **ENGLISH AS A SECOND/ADDITIONAL LANGUAGE (ESL) STUDENTS**

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If you are an English language learner, there are several resources on campus available to help you develop your English writing and language skills. Feel free to contact:

### Writing Center

☎ 801-587-9122

🌐 [writingcenter.utah.edu](http://writingcenter.utah.edu) [\(http://writingcenter.utah.edu/\)](http://writingcenter.utah.edu/)

📍 2701 Marriott Library  
295 S 1500 E  
Salt Lake City, UT 84112

### English for Academic Success (EAS) Program

☎ 801-581-8047

🌐 [linguistics.utah.edu](https://linguistics.utah.edu) [\(https://linguistics.utah.edu/\)](https://linguistics.utah.edu/)

📍 2300 LNCO  
255 S. Central Campus Dr.  
Salt Lake City, UT 84112

### English Language Institute

☎ 801-581-4600

🌐 [continue.utah.edu/eli](http://continue.utah.edu/eli) [\(http://continue.utah.edu/eli\)](http://continue.utah.edu/eli)

📍 540 Arapeen Dr.  
Salt Lake City, UT 84108

## UNDOCUMENTED STUDENTS

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Immigration is a complex phenomenon with broad impact—those who are directly affected by it and those who are indirectly affected by their relationships with family members, friends, and loved ones. If your immigration status presents obstacles that prevent you from engaging in specific activities or fulfilling specific course criteria, confidential arrangements may be requested from the Dream Center.

**Arrangements with the Dream Center will not jeopardize your student status, your financial aid, or any other part of your residence.** The Dream Center offers a wide range of resources to support undocumented students (with and without DACA) as well as students from mixed-status families.

For more information about what support they provide and links to other resources, view their website or contact:

### Dream Center

☎ 801-213-3697

🌐 [dream.utah.edu](http://dream.utah.edu) [\(http://dream.utah.edu/\)](http://dream.utah.edu/)

📍 200 S. CENTRAL CAMPUS DRIVE  
UNION, ROOM 80  
SALT LAKE CITY, UT 84112

## LGBTQ+ STUDENTS

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The LGBTQ+ Resource Center acts in accountability with the campus community by identifying the needs of people with a queer range of [a]gender and [a]sexual experiences and responding with university-wide services.

For more information about what support they provide, a list of ongoing events, and links to other resources, view their website or contact:

### LGBTQ+ Resource Center

📞 801-587-7973

🌐 [lgbt.utah.edu](http://lgbt.utah.edu) (<http://lgbt.utah.edu/>)

📍 409 Union Building  
200 S. Central Campus Dr.  
Salt Lake City, UT 84112

## VETERANS & MILITARY STUDENTS

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The mission of the Veterans Support Center is to improve and enhance the individual and academic success of veterans, service members, and their family members who attend the university; to help them receive the benefits they earned, and to serve as a liaison between the student veteran community and the university.

For more information about what support they provide, a list of ongoing events, and links to other resources, view their website or contact:

### Veterans Support Center

📞 801-587-7722

🌐 (<http://lgbt.utah.edu/>) [veteranscenter.utah.edu](http://veteranscenter.utah.edu) ↗ (<http://veteranscenter.utah.edu/>)

📍 418 Union Building  
200 S. Central Campus Dr.  
Salt Lake City, UT 84112

## WOMEN

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The Women's Resource Center (WRC) at the University of Utah serves as the central resource for educational and support services for women. Honoring the complexities of women's identities, the WRC facilitates choices and changes through programs, counseling, and training grounded in a commitment to advance social justice and equality.

For more information about what support they provide, a list of ongoing events, and links to other resources, view their website or contact:

### Women's Resource Center

☎ 801-581-8030

🌐 [womenscenter.utah.edu](https://womenscenter.utah.edu) ↗ (<https://womenscenter.utah.edu/>)

📍 411 Union Building  
200 S. Central Campus Dr.  
Salt Lake City, UT 84112

## INCLUSIVITY AT THE U

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The Office for Inclusive Excellence is here to engage, support, and advance an environment fostering the values of respect, diversity, equity, inclusivity, and academic excellence for students in our increasingly global campus community. They also handle reports of bias in the classroom as outlined below:

*Bias or hate incidents consist of speech, conduct, or some other form of expression or action that is motivated wholly or in part by prejudice or bias whose impact discriminates, demeans, embarrasses, assigns stereotypes, harasses, or excludes individuals because of their race, color, ethnicity, national origin, language, sex, size, gender identity or expression, sexual orientation, disability, age, or religion.*

For more information about what support they provide and links to other resources, or to report a bias incident, view their website or contact:

### Office for Inclusive Excellence

☎ 801-581-4600

🌐 [inclusive-excellence.utah.edu](https://inclusive-excellence.utah.edu) ↗ (<https://inclusive-excellence.utah.edu/>)  
(<http://continue.utah.edu/eli>)

📍 200 S. CENTRAL CAMPUS DRIVE  
UNION, ROOM 70  
SALT LAKE CITY, UT 84112

## OTHER STUDENT GROUPS AT THE U

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To learn more about some of the other resource groups available at the U, check out:

🌐 [getinvolved.utah.edu/](https://getinvolved.utah.edu/) (<https://getinvolved.utah.edu/>)

🌐 <https://ssc.utah.edu/tools-for-success.php> ↗ (<https://ssc.utah.edu/tools-for-success.php>)