



Department of Chemistry

January 2026



Chemistry Undergraduate Programs Office



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Use Navigate system in howdy portal to schedule
Zoom appointments.
Dr. Mawk: https://tamu.campus.eab.com/pal/ir_hXOX98I
Dr. Gaede: <https://tamu.campus.eab.com/pal/rj2QZMlbYz>

advising@chem.tamu.edu
Email messages should include name & UIN
Allow 24 hr response during the week
979-845-0520
Monday - Friday 8 a.m. - 12 p.m.; 1 p.m. - 5 p.m.

Contact Us

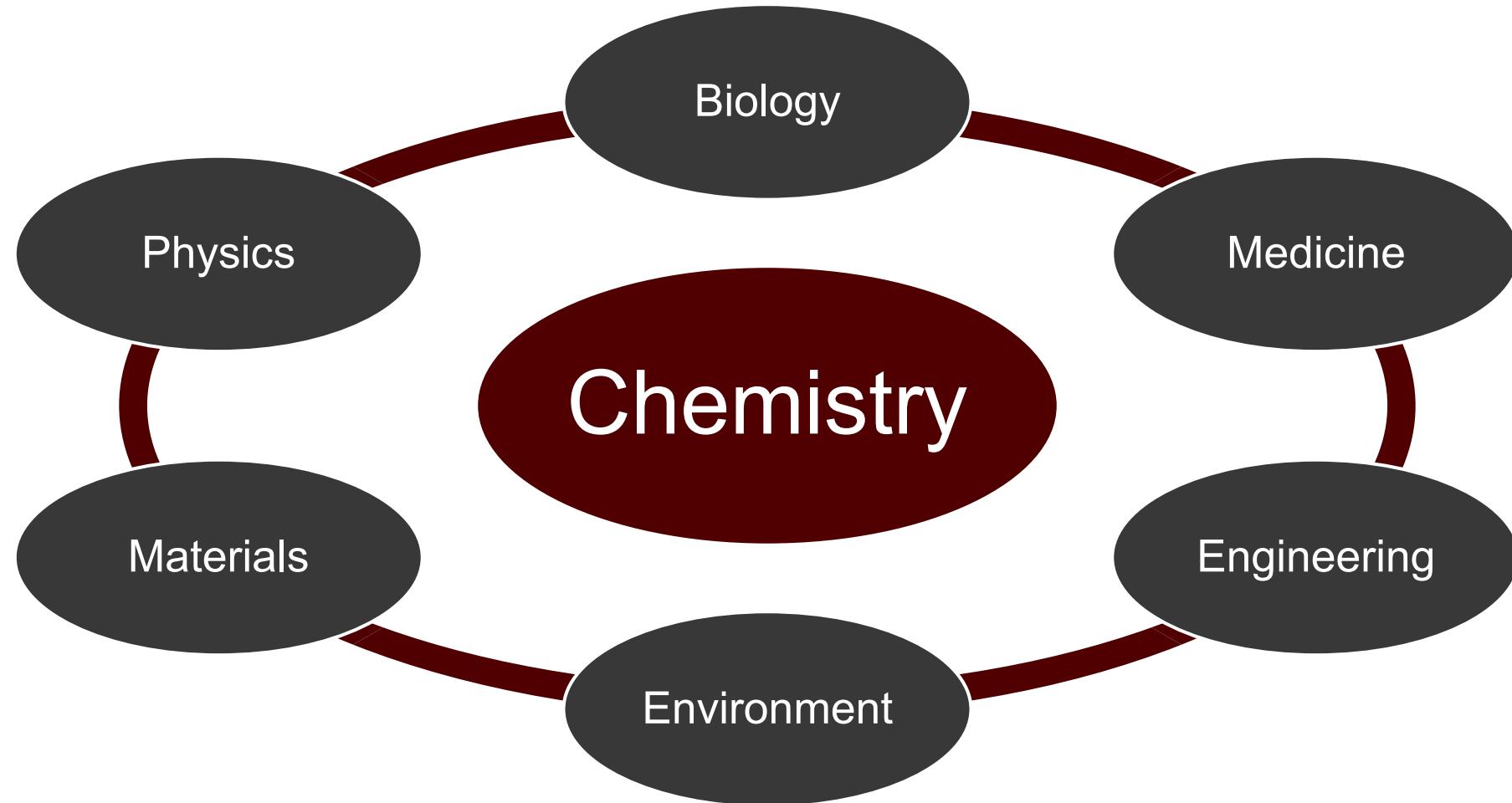


- 104 Chemistry Building
- (979) 845-0520
- advising@chem.tamu.edu



- @tamu.chemistry
- @TAMUChemistry
- @TAMUChemistry
- @tamuchemistry

Chemistry: The Central Science



TAMU Has One of the Largest And Best Chemistry Departments in the Us

People

- ~70 faculty
- ~300 undergraduate chemistry majors
- ~330 graduate students

Education

- ~13,000 seats in undergraduate chemistry classes Fall 2025
- >8500 students in first-year chemistry
- Special classes and sections reserved for chemistry majors



Research

~\$19M Expenditures annually
Ranked 27th nationally, 15th public (#5 inorganic)
Three faculty members in the National Academy of Sciences

Careers of our Former Students

- Research scientists in Industry, University, Start-Up, and Government Laboratories
Oil/Gas; Pharmaceuticals; Biotech; Cosmetics/Personal Care; Paints/Coatings; Agriculture; Batteries; Polymers
- Physicians, Dentists, Pharmacists, Physician's Assistants, Veterinarians, Lawyers
- Professors in Colleges/Universities; Teachers in High Schools
- Environmental Monitors
- Forensic Scientists and Criminalists for DPS, DEA
- Sales (Technical, Pharmaceutical); Marketing; Finance

Expected Lifetime Earnings by Major



FIELD	MEDIAN (50TH PERCENTILE)	25TH PERCENTILE	75TH PERCENTILE
Chemical engineering	\$4.97M	\$4.20M	\$6.01M
Aerospace engineering	\$4.69M	\$4.01M	\$5.54M
Chemistry	\$4.64M	\$3.81M	\$5.58M
Economics	\$4.61M	\$3.70M	\$5.74M
Biological sciences	\$4.58M	\$3.77M	\$5.64M
Computer engineering	\$4.55M	\$3.89M	\$5.44M
Electrical engineering	\$4.54M	\$3.85M	\$5.39M
Finance	\$4.48M	\$3.65M	\$5.48M
Mechanical engineering	\$4.44M	\$3.74M	\$5.23M
Industrial engineering	\$4.34M	\$3.64M	\$5.15M
Computer science	\$4.30M	\$3.61M	\$5.09M
Physics	\$4.25M	\$3.54M	\$5.15M
Political science	\$4.20M	\$3.45M	\$5.27M
Mathematics and statistics	\$4.15M	\$3.45M	\$5.04M
Civil engineering	\$4.15M	\$3.53M	\$4.84M
Engineering (other)	\$4.12M	\$3.51M	\$4.86M
Nursing	\$4.11M	\$3.53M	\$4.89M
Management and information science	\$3.99M	\$3.44M	\$4.70M
Accounting	\$3.98M	\$3.22M	\$4.90M
Information science	\$3.95M	\$3.35M	\$4.67M

Note: adjusted for inflation, in constant 2016 dollars

Source: [Douglas Webber](#)

DEPARTMENT OF DATA / THE WASHINGTON POST

<http://www.chem.tamu.edu/undergraduate/employers.php>

<https://www.washingtonpost.com/business/2022/09/02/college-major-regrets/>

Catalog

University Core Curriculum

General Information → University Core Curriculum

<https://catalog.tamu.edu/undergraduate/general-information/university-core-curriculum/>

Chemistry Degree Plans

College of Arts & Sciences → Chemistry → Majors Tab

<https://catalog.tamu.edu/undergraduate/arts-and-sciences/chemistry/#text>

Course Descriptions

Prerequisites

<https://catalog.tamu.edu/undergraduate/course-descriptions/>

Appendix

Texas Common Course Numbering System

<https://catalog.tamu.edu/undergraduate/appendices/texas-common-course-numbering-system/>



<https://catalog.tamu.edu/>

Undergraduate degree plans

	B.S.	B.A.
Designed for	Laboratory careers; graduate school; research	Other careers (medicine, pharmacy, teaching)
Hours of Chemistry	56 credits	40 credits
Hours of Math	14 credits	8 credits
Hours of Physics	8 credits	8 credits
Remaining core curriculum	27 credits	27 credits
Hours of Undirected Electives	15 credits	37 credits
Minor or Track (hours will vary)	Optional	Required
Research	Required	Optional

BS/MS Program

- Earn BS & MS in 5 years
- Most accessible for students who enter with college credit
- Good for students seeking careers in science policy, science communication, risk management, or seeking PhD outside of US institutions (where MS is often required for application)
- Students apply after junior year
- Eligibility
 - 3.25 GPR
 - Successful completion of CHEM328, CHEM481, and one graduate course

HONORS PROGRAM IN CHEMISTRY

REQUIREMENTS TO RECEIVE APPLICATION: Minimum 720 on Math SAT *OR* minimum 28 on Math ACT *OR* top 7% HS class

REQUIREMENTS: 18 credits in Honors chemistry courses

- Up to 6 credits from CHEM 119H; CHEM 120H; CHEM 227H; CHEM 228H
- Up to 6 credits from any 300 and 400 level CHEM Honors course (not including CHEM 491H)
- No more than 6 credits from 600 level CHEM courses (credit must count toward undergraduate credit)
- 6 credits of CHEM 491H, including an Honors Thesis

GRADUATION WITH CHEMISTRY HONORS: Cumulative Texas A&M University GPR and Honors GPR of 3.5+

You do not have to start with honors this semester to earn an honors degree.

You can join next semester if you have a TAMU GPR of 3.5+

Chemistry Course Requirements

Gen Chem

- CHEM 119 & 120

Organic

- CHEM227/231 & CHEM228/234*

Physical

- CHEM327 & CHEM328 OR CHEM321 (BA); CHEM325 & CHEM326

Analytical

- CHEM315/318 and CHEM415/434 (required for BS ONLY)

Inorganic

- CHEM362/433 (required for BS ONLY)

Advanced

- 2-3 courses; many choices (BS majors seeking ACS cert. choose BICH410)

Seminar

- CHEM100‡ & CHEM481*

Research

- CHEM491 (required for BS ONLY)

*Writing/Communication Intensive

‡ Will take in the fall

Graduation Requirements

- Core curriculum <http://core.tamu.edu/>

Communication (6 hrs.)	ENGL103/104/210 + choice
Mathematics (6 hrs.)	Calculus 1 & 2 Calc. 3 & Adv. Math (BS)
Life & Physical Science (9 hrs.)	CHEM 119 & CHEM 120 PHYS206/226 & PHYS207/227 OR PHYS201 & PHYS202 (BA)
Language, Philosophy & Culture (3 hrs.)	Choice
Creative Arts (3 hrs.)	Choice
Social & Behavioral Science (3 hrs.)	Choice
American History (6 hrs.)	Choice
Political Science (6 hrs.)	POLS 206 + POLS207

- University requirements

International & Cultural Diversity (3 hrs.)	Choice https://core.tamu.edu/
Cultural Discourse (3 hrs.)	Choice https://core.tamu.edu/
Writing/communication	CHEM234 & CHEM481
Foreign Language	2 years in high school or 2 semesters here
Residency	36 hrs. of 300-400 level courses, 12 in major

<https://catalog.tamu.edu/>
<https://testing.tamu.edu/credits>

Typical first semester schedule for January transfer students

All chemistry majors will build a schedule with these courses or categories

***Mandatory**
§ Enroll in Chemistry Majors Section

Course	Prerequisites	Course Number	CHEM Sections	CRN	Hrs
**§ Transfer Learning Community		CLAT001	501		0
**§ Chemistry course + lab					
Organic Chemistry II	College credit for Organic Chemistry 1 or Quantitative Analysis	CHEM228 (3) CHEM234 (2) College credit for CHEM120 equivalent	501	10490	5
**Math Courses for BS Majors					
Engineering Math III	MATH152	MATH251	n/a		3
Several Variable Calculus	MATH152	MATH221	n/a		4
Other Science					
Newtonian Mechanics for Engineering & Sci	MATH151	PHYS206/226			4
Elec & Magnetism for Engr & Sci	MATH152 and PHYS206	PHYS207/227			4
College Physics		PHYS201			4
College Physics		PHYS202			4
Introductory Biology I		BIOL111			4
Core Electives	varies				3-6
Total					12-16

CLAT001: Transfer Learning Community

- CLAT001-501, CRN 62394
- W 1:50pm - 2:40pm [CHEM 2101](#)
- 0 credit hours
- Graded S/U
- Requirement of the College of Arts & Sciences
- Chance to meet other chemistry majors who have transferred here
- Form Study Groups
- Learn/Practice Success Skills
- Learn about campus resources
- Major and career planning



Chemistry course options

Expected progress: Chemistry majors must earn Cs or better in year-long sequence

	CHEM 228	CHEM 315	CHEM321	CHEM327
Description	Organic Chemistry 2	Quantitative Analysis	Physical chemistry for the Life Sciences	Physical Chemistry I
Audience	Chemistry Majors Honors Students	Chemistry Majors and Minors	Chemistry and biochemistry majors	Chemistry and Biochemistry Majors
Class size	~75	75	50	40
Section Numbers	501	500	500	501
Accompanying Lab	CHEM 234 (3) *can take next semester	CHEM 318 (1) * Can take later	CHEM325 or CHEM326 Taken later	CHEM 325 (1) taken later
Prerequisite	B or better in Organic chemistry 1	2 semesters gen. chem.	1 semester of physics; 2 semesters of calculus	2 sem. calculus; 2 sem. univ. physics
			BA Students only	

Math course options for BS students

Expected progress: Complete two semesters of calculus with Cs or better by end of first year; students who begin in pre-calculus will be given an extra semester

	MATH 251 (3)	MATH 221 (4)	MATH304 (3)	MATH308 (3)	STAT 211 (3)
	Calc 3	Calc 3	Linear Algebra	Differential Equations	Statistics
Designed for	Engineers	Math/Science (More demanding)			
Lecture/Lab	3/0	3/1	3/0	3/0	3/0
Class Size	100	30	50-100	100	100
Prerequisite	MATH152	MATH152	MATH152	MATH251	MATH152

Must have credit on file at TAMU to enroll – enroll for what you are qualified for today

Common first-semester electives

Do not accept AP credit before discussing it with an advisor

Course	Title	Fulfills	AP Exam (Score)	TCCN
HIST 105	History of the US	US History	US History (3)	HIST1301
HIST 106	History of the US	US History	US History (3)	HIST1302
HIST 226	Texas History	US History		HIST2301
POLS 206	American National Government	Political Science	US Govt & Politics (3)	GOVT2305
POLS 207	State and Local Government	Political Science		GOVT2306
PBSI 107	Introduction to Psychology	SBS	Psychology (3)	PSYC2301
SOCI 205	Introduction to Sociology	SBS		SOCI1301
ANTH 205	Peoples and Cultures of the World	LPC & ICD		
GEOG 202	Geography of the Global Village	LPC & ICD		GEOG1303
GEOG 301	Geography of the U.S.	LPC & ICD		
ENGL104	Composition & Rhetoric	COMM	English (either one) (3)	ENGL1302
ARTS 150	Art History Survey II	CRA & ICD	Art History (4)	ARTS1304

Example schedule

Monday	Tuesday	Wednesday	Thursday	Friday
8am				
8:15				
8:30				
8:45				
9am				
9:15				
9:30				
9:45				
10am				
10:15				
10:30				
10:45				
11am				
11:15				
11:30				
11:45				
12pm				
12:15				
12:30				
12:45	MATH-251 HELD 109 Not Assigned			
1pm				
1:15				
1:30				
1:45				
2pm	PHYS-227 MPHY 210 Yeagle, Alexander			
2:15				
2:30				
2:45				
3pm				
3:15				
3:30				
3:45				
4pm				
4:15				
4:30				
4:45				

- 3 hr. Lecture Patterns:
 - MWF - 50 min.
 - MW or TR - 75 min.
- Chem. Labs 170 min.
- 20 min between classes

On Main Campus

MWF

8 – 8:50

9:10 -10:00

10:20 – 11:10 etc.

TR

8 – 9:15

9:35- 10:50

11:10 – 12:25 etc.

Howdy has Registration Info



Registration Readiness

Prepare early for registration by completing all required steps



Must update each semester to be eligible to register



Aggie Schedule Builder

Register for courses and perform add/drop actions.



Will bring you to registration tools



These links tell you what college credit that we are aware of



My Academic Record

Registration history and unofficial transcript (PDF)



Credit by Examination

Claim credit(s) for test scores



Building a Schedule

1.



Select Term

Fall 2025 - College Station

Fall 2025 - Galveston

Fall 2025 - Qatar

Fall 2025 - Half Year Term

Full Yr Professional 2025-2026

Spring 2026 - College Station

Spring 2026 - Galveston

Spring 2026 - Half Year Term

[Cancel](#)

[✓ Save](#)

2

Term	Spring 2026 - College Station	Change
Sessions	1 of 2 Selected	Change
Course Status	Open Classes Only	Change
Instruction Modes	All Instruction Modes Selected	Change

3. Courses

[+ Add Course](#)

Instructions

1. Choose semester and campus
2. Refine choices
 1. Course Status: Open Classes Only
 2. Sessions: Spring 2026 Semester Only (*not* Spring 2026 Minimester)
3. Click on Add Courses

Add Courses

Add Courses for Spring 2026 - College Station

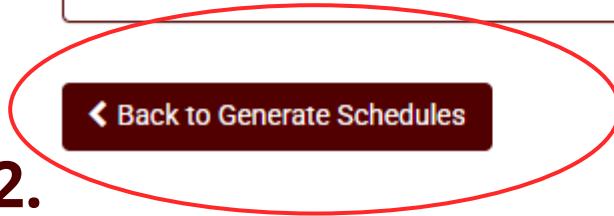
By Subject By Section Attributes By Instructor By CRN Degree Planner

Subject: CHEM - Chemistry

Course: 228 Organic Chemistry II

CHEM - Chemistry 228 - Organic Chemistry II

(CHEM 2325, 2425*) Organic Chemistry II. (3-0). Credit 3. Continuation of CHEM 227. Prerequisite: CHEM 227; concurrent registration in CHEM 238 is suggested; also taught at Galveston and Qatar campuses.

2.  [Back to Generate Schedules](#)

1.  [+ Add Course](#)

1. Easiest to add by subject if you know course number
Add
CHEM
MATH
FYEX
+ 2 electives

2. Then click on Back to Generate Schedules

Refine Sections

Courses

+ Add Course

Course	Sections	Info	Lock	Remove
<input checked="" type="checkbox"/> Select All				
<input checked="" type="checkbox"/> CHEM 228 Organic Chemistry II	 Sections			
<input checked="" type="checkbox"/> CHEM 289	 Sections			
<input checked="" type="checkbox"/> Special Topics in...				
<input checked="" type="checkbox"/> Topic: SPTP: CHEM TRNS LEARN COMMUN				
<input checked="" type="checkbox"/> CHEM 315	 Sections			
<input checked="" type="checkbox"/> Fundamentals of Quantitative Analysis				
<input checked="" type="checkbox"/> Prerequisites				
<input checked="" type="checkbox"/> CHEM 318	 Sections			
<input checked="" type="checkbox"/> Quantitative Analysis Laboratory				
<input checked="" type="checkbox"/> Prerequisites				
<input checked="" type="checkbox"/> MATH 251	 Sections			
<input checked="" type="checkbox"/> Engineering Mathematics III				
<input checked="" type="checkbox"/> Prerequisites				
<input checked="" type="checkbox"/> PHYS 206	 Sections			
<input checked="" type="checkbox"/> Newtonian Mechanics for Engineering and Science				
<input checked="" type="checkbox"/> Prerequisites				
<input checked="" type="checkbox"/> PHYS 226	 Sections			
<input checked="" type="checkbox"/> Physics of Motion Laboratory for the Sciences				
<input checked="" type="checkbox"/> Prerequisites				

Click on gear icon to refine section selection.

Check only CHEM majors sections of CHEM228, CHEM315

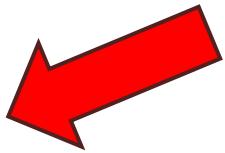
For other courses, make sure to **de-select**

- Sections offered in McAllen (M sections)
- Restricted sections
- Honors sections (200 sections)

Distance education 700 sections*

CRM #	Subject	Course	Section	Credits	Seats Open	Instruction Mode	Day(s) & Location(s)
<input type="checkbox"/> 10489	CHEM	228	200	3	4	Traditional Face-to-Face (F2F)	MWF 9:10am - 10:00am 01/17/2024 - 05/06/2024 CHEM 255
							<small>Prerequisites Honors Restrictions</small>
							Instructor: Singleton, Daniel
<input checked="" type="checkbox"/> 10490	CHEM	228	501	3	8	Traditional Face-to-Face (F2F)	TTh 9:35am - 10:50am 01/16/2024 - 05/07/2024 CHEM 2102
							<small>Prerequisites Honors Restrictions</small>
							Instructor: Michaudel, Quentin
<input type="checkbox"/> 10491	CHEM	228	502	3	1	Traditional Face-to-Face (F2F)	MWF 9:10am - 10:00am 01/17/2024 - 05/06/2024 CHEM 2102
							<small>Prerequisites</small>
							Instructor: Waas, Jack R
<input type="checkbox"/> 17749	CHEM	228	504	3	1	Traditional Face-to-Face (F2F)	MWF 9:10am - 10:00am 01/17/2024 - 05/06/2024 CHEM 2104
							<small>Prerequisites</small>
							Instructor: Foran, Alexandra Carr
<input checked="" type="checkbox"/> 36430	MATH	151	M01	4	123	Traditional Face-to-Face (F2F)	Th 7:30pm - 9:30pm 04/17/2025 - 04/17/2025 Th 7:30pm - 9:30pm 03/20/2025 - 03/20/2025
							<small>Prerequisites Honors Restrictions</small>
							Instructor: Olvera, Hugo
							<small>3 More</small>

Build Schedules



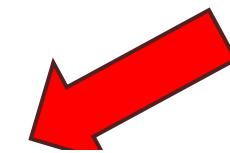
Generate Schedules **Shuffle**

Generated 98 Schedules

Compare **Select at least two schedules to compare side by side**

View	1	228-CHEM-501, 315-CHEM-500, 318-CHEM-507, 207-PHYS-525, 207-POLS-500
View	2	228-CHEM-501, 315-CHEM-500, 318-CHEM-505, 207-PHYS-501, 207-POLS-501
View	3	228-CHEM-501, 315-CHEM-500, 318-CHEM-505, 207-PHYS-505, 207-POLS-501
View	4	228-CHEM-501, 315-CHEM-500, 318-CHEM-505, 207-PHYS-507, 207-POLS-501
View	5	228-CHEM-501, 315-CHEM-500, 318-CHEM-505, 207-PHYS-509, 207-POLS-501
View	6	228-CHEM-501, 315-CHEM-500, 318-CHEM-505, 207-PHYS-513, 207-POLS-501

After refining section selection click on generate schedules
Preview schedules
Send your favorite to the shopping cart
During registration, open your shopping cart and click on register



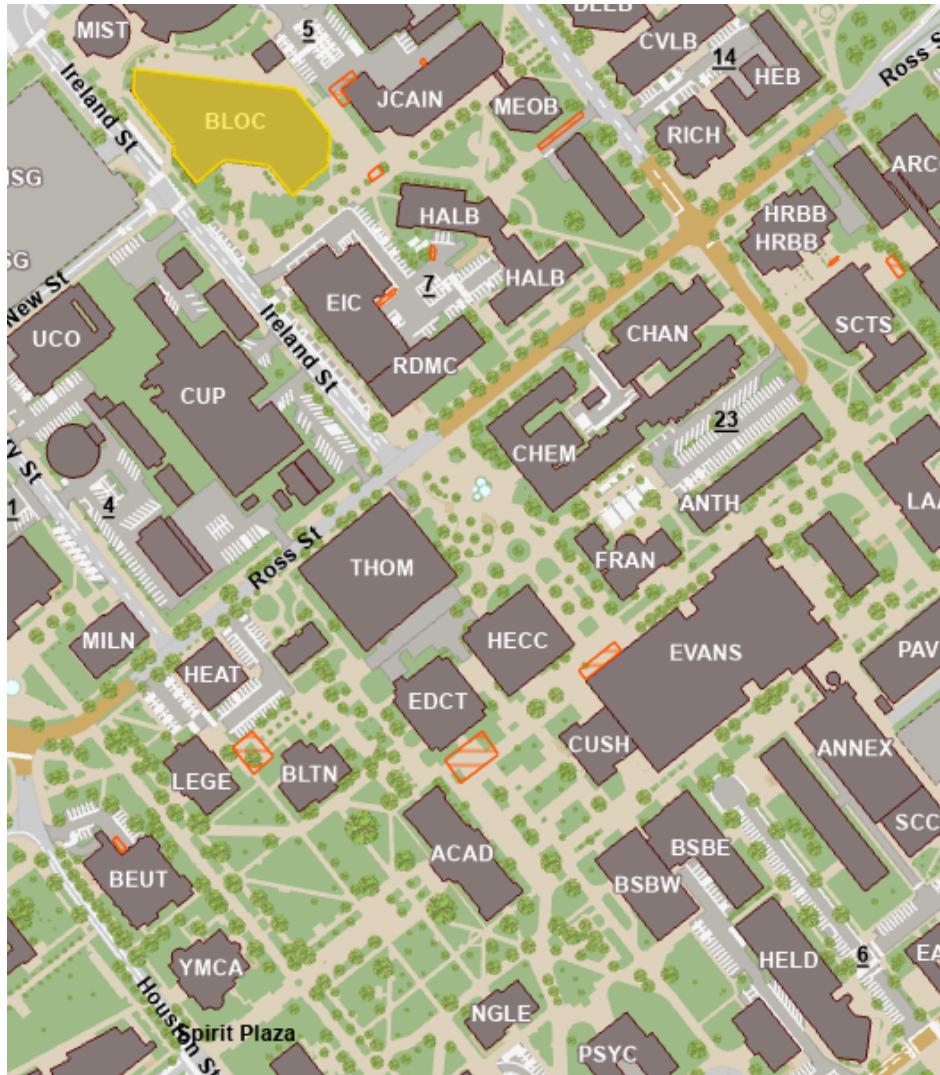
Potential Schedule for Spring 2026 - College Station

Back **Print** **Email** **Send to Shopping Cart** **Shuffle** **Schedule 9 of 98**

You are viewing a potential schedule only and you must still register.

Color	Info	Status	CRN #	Subject	Course	Section	Credits	Seats Open	Instruction Mode	Day(s) & Location(s)
		Not Enrolled	10490	CHEM	228	501	3	6	Traditional Face-to-Face (F2F)	TTh 9:35am - 10:50am 01/13/2026 - 05/05/2026 CHEM 2104
		Not Enrolled	18821	CHEM	315	500	3	9	Traditional Face-to-Face (F2F)	TTh 8:00am - 9:15am 01/13/2026 - 05/05/2026 CHEM 255
		Not Enrolled	10562	CHEM	318	505	1	3	Traditional Face-to-Face (F2F)	T 11:10am - 2:00pm 01/13/2026 - 05/05/2026 ILSQ E100
		Not Enrolled	37484	PHYS	207	501	3	1	Traditional Face-to-Face (F2F)	W 7:30pm - 8:30pm 04/15/2026 - 04/15/2026 W 7:30pm - 8:30pm 03/18/2026 - 03/18/2026
										3 More
										Prerequisites
										Instructor: Kordell, Michael C.

Registration



Students:

- Come to Blocker (room 125) by 3:15 p.m.
- Login to <https://howdy.tamu.edu/>
- Bring up your schedule from Shopping Cart.
- Choose Register at exactly 3:30 p.m. TAMU time
- You will know immediately what courses you were registered for

Family: Family meeting at 3:15 in BSBE115

CRN #	Subject	Course	Section	Credits	Seats Open	Instruction Mode	Day(s) & Location(s)
38026	CHEM	119	502	4	0	Traditional Face-to-Face (F2F)	T 8:00am - 10:50am 01/14/2025 - 05/06/2025 ILSQ E215 MWF 12:40pm - 1:30pm 01/13/2025 - 05/05/2025 ILCB 113
48478	FYEX	101	504	0	25	Traditional Face-to-Face (F2F)	T 3:55pm - 4:45pm 01/14/2025 - 05/06/2025 EDCT 569
11084	HIST	105	506	3	66	Traditional Face-to-Face (F2F)	MWF 3:00pm - 3:50pm 01/13/2025 - 05/05/2025 AIEN M207
11422	MATH	151	522	4	0	Traditional Face-to-Face (F2F)	Th 7:30pm - 9:30pm 04/17/2025 - 04/17/2025 ILCB 111 Th 7:30pm - 9:30pm 03/20/2025 - 03/20/2025 ILCB 111 3 More
Prerequisites							
11917	POLS	207	501	3	95	Traditional Face-to-Face (F2F)	MWF 8:00am - 8:50am 01/13/2025 - 05/05/2025 ILCB 113

Registration Errors

- Common registration errors
 - **Student Attribute error:** didn't accept lab safety agreement or are trying to register for a restricted class (honors)
 - **Closed section:** no seats are available
 - **Prerequisite/test score error:** you don't have (or didn't successfully register for) co- or prerequisite course
 - **Department/major/field of study restriction:** section is limited to students of a certain major
 - **Time conflict:** course overlaps with a course you are already registered for

AFTER REGISTRATION

Before you are finished with TSC, check in with advisor
We will check over your schedule

Questions Later?

Contact Advisor at advising@chem.tamu.edu from TAMU email
Include Name & UIN

Thanks & Gig 'em!

Contact Us



104 Chemistry Building



979.845.0520



advising@chem.tamu.edu

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