Dr. Holly C. Gaede  
Undergraduate Advisor & Assoc. Instr. Prof.  
E-Mail: hgaede@chem.tamu.edu

Dr. Joe Mawk  
Associate Undergraduate Advisor & Assist. Instr. Prof.  
E-Mail: mawk@chem.tamu.edu

Dr. Christine Mullen  
Sr. Lecturer  
E-Mail: cmullen@chem.tamu.edu

Ms. Marylin Warren  
Senior Office Associate  
E-Mail: warren@chem.tamu.edu

Office Location: 104 Chemistry Building  
Office Number: (979) 845-0520  
Office Hours: Monday-Friday  
8:00am – 12pm; 1:00pm – 5:00pm
Chemistry: The Central Science

Chemistry

- Biology
- Physics
- Materials
- Environment
- Medicine
- Engineering

American Chemical Society  http://www.acs.org
http://www.acs.org/content/acs/en/careers/college-to-career.html
TAMU has one of the largest and best Chemistry Departments in the US!

~65 faculty
~300 chemistry majors
~280 graduate students

>15000 seats in undergraduate classes and labs last fall

>5000 students in first-year chemistry/fall

~$15 million in research funding

Ranked 8th among public institutions and 19th overall by US News & World Report
Careers of our Former Students

• Research scientists (e.g. Proctor & Gamble, Haliburton, ExxonMobil, INEOS, Celanese, Dow, Lynntech)

• Professors

• Teachers in high schools across Texas (and the U.S.!)  

• Physicians, Dentists, Pharmacists

• Environmental Monitors

• Forensic Scientists and Criminalists for DPS, DEA

• Editor of scientific textbooks

• Research Assistant, Children’s Hospital

• Clinical Allergy Specialist

http://www.chem.tamu.edu/undergraduate/employers.php
# Undergraduate Chemistry Degrees

<table>
<thead>
<tr>
<th></th>
<th>B.S.</th>
<th>B.A.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Designed for</td>
<td>Laboratory careers; graduate school; research</td>
<td>Other careers (medicine, pharmacy, teaching)</td>
</tr>
<tr>
<td>Hours of Chemistry</td>
<td>56 credits</td>
<td>40 credits</td>
</tr>
<tr>
<td>Hours of Math</td>
<td>15 credits</td>
<td>8 credits</td>
</tr>
<tr>
<td>Hours of Physics</td>
<td>8 credits</td>
<td>8 credits</td>
</tr>
<tr>
<td>Remaining core curriculum</td>
<td>27 credits</td>
<td>27 credits</td>
</tr>
<tr>
<td>Hours of Undirected Electives</td>
<td>14 credits</td>
<td>37 credits</td>
</tr>
<tr>
<td>Minor or Track (hours will vary)</td>
<td>Optional</td>
<td>Required</td>
</tr>
<tr>
<td>Research</td>
<td>Required</td>
<td>Optional</td>
</tr>
</tbody>
</table>
Typical Transfer Schedule

All chemistry majors will need to take the courses or categories below.

<table>
<thead>
<tr>
<th>Course</th>
<th>Credit hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>* Chemistry Seminar</td>
<td>1</td>
</tr>
<tr>
<td>*Chemistry course + lab</td>
<td>4 or 5</td>
</tr>
<tr>
<td>*Math course (if any left)</td>
<td>3 or 4</td>
</tr>
<tr>
<td>Physics course or electives</td>
<td>3 - 6</td>
</tr>
</tbody>
</table>

**Total Credit Hours** 12 to 16

* Mandatory
Chemistry Seminar

CHEM 100: Horizons in Chemistry
• Weekly meeting of all incoming chemistry majors
• No text book, exams
• Clicker used for attendance
• Graded on small projects, attendance
• Guest presentations to acquaint you with campus services and career opportunities

<table>
<thead>
<tr>
<th>Library</th>
<th>Pharmacy Student</th>
</tr>
</thead>
<tbody>
<tr>
<td>Academic Success Center</td>
<td>R&amp;D Manager, Los Alamos</td>
</tr>
<tr>
<td>Study Abroad</td>
<td>Forensic Analyst, Houston Forensic Science Center</td>
</tr>
<tr>
<td>Environmental Health &amp; Safety</td>
<td>Chemistry teacher, Katy ISD</td>
</tr>
</tbody>
</table>
# Chemistry Course Sequence

## General Chemistry
- CHEM100 (1) & CHEM101/111 (4) & CHEM102/112 (4)

## Organic Chemistry
- CHEM227/231 (5) & CHEM238/234 (6)

## Physical Chemistry
- CHEM327 (3) & CHEM328/CHEM325(4) & CHEM326 (1)

## Analytical Chemistry
- CHEM315/318(4) & CHEM414/434 (5) – BS Only

## Inorganic Chemistry
- CHEM362 (elective for BA) & CHEM433 (2) BS only

## Advanced Chemistry Electives (take 2)
- Biochem. Chemical Biology
- Organic III
- Advanced Inorganic Materials
- Advanced Inorganic Materials
- Polymer Industrial Nuclear
- Graduate Courses

## Research & Seminar
- CHEM491 (6 required of BS) & CHEM481 (2)

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979-845-0520  
advising@chem.tamu.edu
Expected Chemistry Progress

Chemistry majors are expected to
• enroll in least one chemistry course every semester
• earn Cs or better in chemistry courses
C average in chemistry required for graduation
Math Course Sequence

Calculus 1
MATH 151 (4)
MATH 171 (4)

Calculus 2
MATH 152 (4)
MATH 172 (4)

Calculus 3
MATH251 (3)
MATH253 (4)
MATH221 (4)

Advanced Math
MATH304(3)
MATH308(3)
STAT211(4)

BA MATH degree requirements stop after Calc II

Math Progress
Chemistry majors are expected to enroll in math every semester until requirements are completed, and earn Cs or better in Math.
• University Core Curriculum
  • General Information → University Core Curriculum
  • http://catalog.tamu.edu/undergraduate/general-information/university-core-curriculum/

• Chemistry Degree Plans
  • College of Science → Chemistry → Majors Tab
  • http://catalog.tamu.edu/undergraduate/science/chemistry/#majorstext

• Course Descriptions
  • Prerequisites
  • http://catalog.tamu.edu/undergraduate/course-descriptions/

• Appendix
  • Texas Common Course Numbering System
  • http://catalog.tamu.edu/undergraduate/appendices/texas-common-course-numbering-system/
University Core Curriculum

catalog.tamu.edu & core.tamu.edu

1. Communication (6 hours): ENGL104 + 3 credits
2. Mathematics (6 hours) √
3. Life and Physical Science (9 hours) √
4. Language, Philosophy & Culture (3 hours)
5. Creative Arts (3 hours)
6. Social and Behavioral Sciences (3 hours)
7. American History (6 hours): HIST 105 and 106 (or others)
8. Government/Political Science (6 hours): POLS206 and 207

A. International and Cultural Diversity Requirement (6 hours)
B. Writing Requirement (CHEM234 & CHEM481)
C. Foreign Language Requirement (2 years of high school)
# Common First-Semester Electives

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Fulfills</th>
</tr>
</thead>
<tbody>
<tr>
<td>HIST 105</td>
<td>History of the US</td>
<td>US History</td>
</tr>
<tr>
<td>HIST 106</td>
<td>History of the US</td>
<td>US History</td>
</tr>
<tr>
<td>HIST 226</td>
<td>Texas History</td>
<td>US History</td>
</tr>
<tr>
<td>POLS 206</td>
<td>American National Government</td>
<td>Political Science</td>
</tr>
<tr>
<td>POLS 207</td>
<td>State and Local Government</td>
<td>Political Science</td>
</tr>
<tr>
<td>PSYC 107</td>
<td>Introduction to Psychology</td>
<td>SBS</td>
</tr>
<tr>
<td>SOCI 205</td>
<td>Introduction to Sociology</td>
<td>SBS</td>
</tr>
<tr>
<td>ANTH 205</td>
<td>Peoples and Cultures of the World</td>
<td>LPC &amp; ICD</td>
</tr>
<tr>
<td>GEOG 202</td>
<td>Geography of the Global Village</td>
<td>LPC &amp; ICD</td>
</tr>
<tr>
<td>GEOG 301</td>
<td>Geography of the U.S.</td>
<td>LPC &amp; ICD</td>
</tr>
<tr>
<td>ENGL104</td>
<td>Composition &amp; Rhetoric</td>
<td>COMM</td>
</tr>
<tr>
<td>ARTS 150</td>
<td>Art History Survey II</td>
<td>CRA &amp; ICD</td>
</tr>
</tbody>
</table>

**DO NOT ACCEPT AP CREDIT BEFORE TALKING ABOUT IT WITH ADVISOR**
<table>
<thead>
<tr>
<th>MWF times</th>
<th>Monday</th>
<th>Tuesday</th>
<th>Wednesday</th>
<th>Thursday</th>
<th>Friday</th>
<th>TR times</th>
</tr>
</thead>
<tbody>
<tr>
<td>8:00-8:50</td>
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<td></td>
<td></td>
<td>8:00-9:15</td>
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<tr>
<td>9:10-10:00</td>
<td>MATH251-513</td>
<td></td>
<td>MATH251-513</td>
<td>MATH251-513</td>
<td></td>
<td>9:35-10:50</td>
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<tr>
<td></td>
<td>13335</td>
<td></td>
<td>13335</td>
<td>13335</td>
<td></td>
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<tr>
<td></td>
<td>12487</td>
<td>10700</td>
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<td>10700</td>
<td>12487</td>
<td></td>
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<tr>
<td>11:30-12:20</td>
<td></td>
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<td></td>
<td></td>
<td></td>
<td>11:10-12:25</td>
</tr>
<tr>
<td>12:40-1:30</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>12:45-2:00</td>
</tr>
<tr>
<td>1:50-2:40</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>3:00-3:50</td>
<td>PHYS218-522</td>
<td>CHEM231-505</td>
<td>PHYS218-522</td>
<td>CHEM231-505</td>
<td></td>
<td>2:20-3:35</td>
</tr>
<tr>
<td></td>
<td>12443</td>
<td>20017</td>
<td>12443</td>
<td>20017</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>(until 6:45)</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>3:55-5:10</td>
</tr>
</tbody>
</table>

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

- Class locations:
  [Aggiemap.tamu.edu](http://Aggiemap.tamu.edu)
Course Offerings are found at howdy.tamu.edu

In the MyRecord tab you will find

Registration Information
  Search Class Schedule
  Add or Drop Classes
  Registration Status
    Times registration is open (from 2-6 p.m. today)
    Holds
  Lab Safety Acknowledgement (must accept every semester)

Grades
  Unofficial transcript
  Credit by Examination (do not accept AP credit before checking with advisor)
Next Task: preparing schedule

- Every schedule must include
  - CHEM100
  - Chemistry majors (or honors) lecture and lab
  - Appropriate Math

- Remember
  - Prerequisites matter
  - Chart *all* class meetings to avoid class conflicts
  - Check course restrictions
  - Choose alternatives for popular electives
  - Required courses for Corps, Honors, Scholarships
  - PHYS218 & PHYS208 are prerequisites for the 3-semester physical chemistry sequence. Plan accordingly.

- We will check your schedules at brief individual meetings before registration
  - Fill out course grid & write down CRNs; Prefix & Course & Section Numbers
    - Eg. POLS207-503 12487
Required Paperwork

- Completed Chemistry Major Information Sheet
- Chemistry Policy Sheet
- Planned course grid
Advising Meetings

- Sign up for a 15 minute meeting
- Come to **109 Chemistry building** 5 min before advising meeting time & sign in
- Bring the required paperwork to meeting
Registration Procedure

• Meet at SCC at 1:45 p.m.
• Logon to howdy
• Begin registering at exactly 2 p.m. TAMU time
• Type in CRNS for all courses into separate boxes and then hit submit
• Register for scarce classes first
• Registration order matters for pre-requisite/co-requisite courses
• When screen refreshes you will know immediately what courses you got.
• Common registration errors
  • **Student Attribute error**: didn’t accept lab safety agreement or are trying to register for a restricted class
  • **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 restriction**: section is limited to students of a certain major
  • **Time conflict**: course overlaps with a course you are already registered for
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