### Ten Week Session

**CHEM 2900**  
**INTRO CHEM RSCH**  
- Course Code: CRE V  
- 713 (4941)  
- **Schwartz M**  
- RESTRICTED COURSE. APPROVAL REQUIRED. CONTACT DEPARTMENT.  
- RESTRICTED FOR TAMS SUMMER RESEARCH SCHOLARSHIP PROGRAM

**CHEM 4900**  
**SPECIAL PROBLEMS**  
- Course Code: CRE V  
- 001 (6019)  
- **Golden T**  
- 05:00 pm-05:50 pm CHEM 253  
- Course Topic: FORENSIC INTERNSHIP  
- RESTRICTED COURSE. APPROVAL REQUIRED. CONTACT DEPARTMENT.  
- RESTRICTED FOR TAMS SUMMER RESEARCH SCHOLARSHIP PROGRAM

- 703 (5971)  
- **Omary M**  
- RESTRICTED COURSE. APPROVAL REQUIRED. CONTACT DEPARTMENT.  
- RESTRICTED FOR TAMS SUMMER RESEARCH SCHOLARSHIP PROGRAM

- 709 (6018)  
- **Slaughter III L**  
- RESTRICTED COURSE. APPROVAL REQUIRED. CONTACT DEPARTMENT.  
- RESTRICTED FOR TAMS SUMMER RESEARCH SCHOLARSHIP PROGRAM

- 715 (4627)  
- **Acree Jr W**  
- RESTRICTED COURSE. APPROVAL REQUIRED. CONTACT DEPARTMENT.  
- RESTRICTED FOR TAMS SUMMER RESEARCH SCHOLARSHIP PROGRAM

- 719 (5672)  
- **Marshall P**  
- RESTRICTED COURSE. APPROVAL REQUIRED. CONTACT DEPARTMENT.  
- RESTRICTED FOR TAMS SUMMER RESEARCH SCHOLARSHIP PROGRAM

- 720 (4940)  
- **Cundari T**  
- RESTRICTED COURSE. APPROVAL REQUIRED. CONTACT DEPARTMENT.  
- RESTRICTED FOR TAMS SUMMER RESEARCH SCHOLARSHIP PROGRAM

- 721 (6583)  
- **Kelber J**  
- RESTRICTED COURSE. APPROVAL REQUIRED. CONTACT DEPARTMENT.  
- RESTRICTED FOR TAMS SUMMER RESEARCH SCHOLARSHIP PROGRAM

- 723 (7080)  
- **De oliveira G**  
- RESTRICTED COURSE. APPROVAL REQUIRED. CONTACT DEPARTMENT.  
- RESTRICTED FOR TAMS SUMMER RESEARCH SCHOLARSHIP PROGRAM

- 724 (5296)  
- **Verbeck IV G**  
- RESTRICTED COURSE. APPROVAL REQUIRED. CONTACT DEPARTMENT.  
- RESTRICTED FOR TAMS SUMMER RESEARCH SCHOLARSHIP PROGRAM

- 725 (4939)  
- **Golden T**  
- RESTRICTED COURSE. APPROVAL REQUIRED. CONTACT DEPARTMENT.  
- RESTRICTED FOR TAMS SUMMER RESEARCH SCHOLARSHIP PROGRAM

- 726 (11191)  
- **Chyan O**  
- RESTRICTED COURSE. APPROVAL REQUIRED. CONTACT DEPARTMENT.  
- RESTRICTED FOR TAMS SUMMER RESEARCH SCHOLARSHIP PROGRAM

**CHEM 4910**  
**SPECIAL PROBLEMS**  
- Course Code: CRE V  
- 001 (5965)  
- **Golden T**  
- Course Topic: FORENSIC INTERNSHIP  
- RESTRICTED COURSE. APPROVAL REQUIRED. CONTACT DEPARTMENT.

**CHEM 4912**  
**RESEARCH CAPSTONE**  
- Course Code: CRE 3.0  
- 001 (6873)  
- **Golden T**  
- Course Topic: FORENSIC INTERNSHIP  
- RESTRICTED COURSE. APPROVAL REQUIRED. CONTACT DEPARTMENT.  
- CHEM 3220 OR EQUIVALENT AND WRITTEN CONSENT OF PROFESSOR.
## Five Week Session One

### CHEM 1360  CONTEXT OF CHEM

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Name</th>
<th>Credits</th>
<th>Schedule</th>
<th>Location</th>
<th>Instructor</th>
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</thead>
<tbody>
<tr>
<td>001 (6782)</td>
<td>CRE 3.0 MTWR 08:00 am-09:50 am CURY 104  Kinyanjui S</td>
<td>3.0</td>
<td>MTWR</td>
<td>08:00 am-09:50 am  CURY 104  Kinyanjui S</td>
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For Sciences Core Requirement in Laboratory Science. For non-science majors only.

### CHEM 1410  GEN CHEM SCI

<table>
<thead>
<tr>
<th>Course Code</th>
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<th>Schedule</th>
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<th>Instructor</th>
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<tbody>
<tr>
<td>001 (2475)</td>
<td>CRE 3.0 MTWR 08:00 am-09:50 am CHEM 109</td>
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<td>MTWR</td>
<td>08:00 am-09:50 am  CHEM 109</td>
<td>3.0</td>
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</table>

For Sciences Core Requirement in Laboratory Science. Must also be enrolled in CHEM 1410.211 Recitation. Prerequisite: Math 1100 or equivalent. Should also be enrolled in CHEM 1430. Gen Chem SCI I

### CHEM 1430  LAB SEQ GEN CHEM

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Name</th>
<th>Credits</th>
<th>Schedule</th>
<th>Location</th>
<th>Instructor</th>
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<tr>
<td>001 (11309)</td>
<td>CRE 1.0 INET</td>
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Web-based instruction. This is an Internet course. Course enrollment is restricted and non-Texas resident students residing outside of the state are not eligible to enroll in this section. Contact the department for enrollment assistance in an appropriate section of the course if applicable. Must have had or be concurrently enrolled in CHEM 1410. Must also choose a .5XX Lab section. This lecture section is entirely online. Please note that the associated lab sections will meet on campus on the indicated days and times.

### CHEM 2370  ORGANIC CHEMISTRY

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Name</th>
<th>Credits</th>
<th>Schedule</th>
<th>Location</th>
<th>Instructor</th>
</tr>
</thead>
<tbody>
<tr>
<td>001 (2481)</td>
<td>CRE 3.0 MTWR 11:00 am-12:50 pm SAGE 116  Berhe S</td>
<td>3.0</td>
<td>MTWR</td>
<td>11:00 am-12:50 pm  SAGE 116  Berhe S</td>
<td>3.0</td>
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</tbody>
</table>

Usually taken concurrently with CHEM 3210. Prerequisite: CHEM 1415, 1420, 1422, or 1423. Organic Chemistry I

Also meets: F 11:00 am-12:50 pm SAGE 116 6/7/19-6/7/19

### CHEM 2900  INTRO CHEM RSCH

<table>
<thead>
<tr>
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<th>Schedule</th>
<th>Location</th>
<th>Instructor</th>
</tr>
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<tbody>
<tr>
<td>700 (2482)</td>
<td>CRE V</td>
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</table>

Restricted course approval required. Contact instructor. Multiple sections offered. Must register under 7XX section number assigned to supervising faculty member.
RESTRICTED COURSE APPROVAL REQUIRED. CONTACT INSTRUCTOR.
MULTIPLE SECTIONS OFFERED.
MUST REGISTER UNDER 7XX SECTION NUMBER ASSIGNED TO SUPERVISING FACULTY MEMBER.

CHEM 3210  ORGANIC CHEM LAB
001  (2530)  CRE 1.0  M  09:30 am-10:50 am  ENV 125  Marpu S
MUST ALSO BE ENROLLED IN ANY CHEM 3210.3XX LAB SECTION.
MUST HAVE HAD OR BE CONCURRENTLY REGISTERED FOR CHEM 2370
PREREQUISITE: CHEM 1440 AND CHEM 2370 (SHOULD BE TAKEN CONCURRENTLY)
301  (2531)  LAB 0.0  TWR  08:00 am-10:50 am  CHEM 241  Marpu S
302  (2532)  LAB 0.0  TWR  08:00 am-10:50 am  CHEM 243  Marpu S
303  (5756)  LAB 0.0  TWR  01:30 pm-04:20 pm  CHEM 241  Marpu S
304  (6279)  LAB 0.0  TWR  01:30 pm-04:20 pm  CHEM 243  Marpu S
305  (11311)  LAB 0.0  TWR  04:30 pm-07:20 pm  CHEM 241  Marpu S
306  (11312)  LAB 0.0  TWR  04:30 pm-07:20 pm  CHEM 243  Marpu S

CHEM 3230  PHYSICAL MEASURE
001  (7019)  CRE 1.0  M  03:00 pm-05:50 pm  CHEM 352  Weber R
PREREQUISITE: CHEM 3510 OR SHOULD BE TAKEN CONCURRENTLY.
MUST ALSO ENROLL IN CHEM 3230.3XX
301  (7020)  LAB 0.0  TWR  12:59 pm-03:50 pm  CHEM 280  Weber R
302  (11313)  LAB 0.0  TWR  03:59 pm-06:50 pm  CHEM 280  Weber R

CHEM 3451  QUANT ANYL
001  (11516)  CRE 3.0  MTWR  12:00 pm-01:50 pm  CHEM 352  Acree Jr W

CHEM 3452  QUANT ANYL LAB
301  (11517)  CRE 1.0  TWR  08:00 am-11:50 am  CHEM 283  Acree Jr W
302  (11518)  CRE 1.0  TWR  02:00 pm-05:50 pm  CHEM 283  Acree Jr W

CHEM 3510  PHYSICAL CHEM
001  (7017)  CRE 3.0  MTWR  09:59 am-11:50 am  CHEM 352  Weber R
MUST ALSO BE ENROLLED IN CHEM 3510.211
PRE-REQUISITES: MATH 1720
211  (7018)  REC 0.0  M  12:59 pm-02:50 pm  CURY 210  Weber R

CHEM 4900  SPECIAL PROBLEMS
700  (2533)  CRE V
PREREQUISITE CHEM 3220 OR EQUIVALENT AND WRITTEN CONSENT OF PROFESSOR
MULTIPLE SECTIONS OFFERED.
MUST REGISTER UNDER 7XX SECTION NUMBER ASSIGNED TO SUPERVISING FACULTY MEMBER.
RESTRICTED COURSE APPROVAL REQUIRED. CONTACT INSTRUCTOR.

CHEM 4910  SPECIAL PROBLEMS
700  (2557)  CRE V
Prerequisite Chem 3220 or equivalent and written consent of professor.
MULTIPLE SECTIONS OFFERED.
MUST REGISTER UNDER 7XX SECTION NUMBER ASSIGNED TO SUPERVISING FACULTY MEMBER.
RESTRICTED COURSE APPROVAL REQUIRED. CONTACT INSTRUCTOR.

CHEM 4912  RESEARCH CAPSTONE
700  (6823)  CRE 3.0
RESTRICTED COURSE. APPROVAL REQUIRED. CONTACT DEPARTMENT.
PREREQUISITE: CHEM 3220 OR EQUIVALENT AND WRITTEN CONSENT OF PROFESSOR.
MULTIPLE SECTIONS OFFERED.
MUST REGISTER UNDER 7XX SECTION OF NUMBER ASSIGNED TO SUPERVISING FACULTY MEMBER.

CHEM 4920  COOP ED IN CHEMISTRY
RESTRICTED COURSE. APPROVAL REQUIRED. CONTACT DEPARTMENT.

CHEM 5900  SPECIAL PROBLEMS
200 (2582) CRE V INET Golden T
CONTACT INSTRUCTOR AT TGOLDEN@UNT.EDU FOR MATERIAL NECESSARY FOR COURSE.
WEB-BASED INSTRUCTION.
RESTRICTED COURSE. APPROVAL REQUIRED. CONTACT DEPARTMENT.

300 (2583) CRE V INET Golden T
CONTACT INSTRUCTOR AT TGOLDEN@UNT.EDU FOR MATERIAL NECESSARY FOR COURSE.
THIS COURSE IS RESTRICTED. LIMITED TO STUDENTS RESIDING OUT-OF-STATE ONLY. CONTACT DEPARTMENT.
WEB-BASED INSTRUCTION.
RESTRICTED COURSE. APPROVAL REQUIRED. CONTACT DEPARTMENT.

700 (2584) CRE V
MULTIPLE SECTIONS OFFERED.
MUST REGISTER UNDER 7XX SECTION NUMBER ASSIGNED TO SUPERVISING FACULTY MEMBER.
RESTRICTED COURSE APPROVAL REQUIRED. CONTACT INSTRUCTOR.

CHEM 5910  SPECIAL PROBLEMS
200 (2610) CRE V INET Golden T
CONTACT INSTRUCTOR AT TGOLDEN@UNT.EDU FOR MATERIAL NECESSARY FOR COURSE.
WEB-BASED INSTRUCTION.
RESTRICTED COURSE. APPROVAL REQUIRED. CONTACT DEPARTMENT.

300 (2611) CRE V INET Golden T
CONTACT INSTRUCTOR AT TGOLDEN@UNT.EDU FOR MATERIAL NECESSARY FOR COURSE.
THIS COURSE IS RESTRICTED. LIMITED TO STUDENTS RESIDING OUT-OF-STATE ONLY. CONTACT DEPARTMENT.
WEB-BASED INSTRUCTION.
RESTRICTED COURSE. APPROVAL REQUIRED. CONTACT DEPARTMENT.

700 (2612) CRE V
MULTIPLE SECTIONS OFFERED.
MUST REGISTER UNDER 7XX SECTION NUMBER ASSIGNED TO SUPERVISING FACULTY MEMBER.
RESTRICTED COURSE APPROVAL REQUIRED. CONTACT INSTRUCTOR.

CHEM 5920  PROB LIEU THESIS
750 (2636) CRE 3.0
MULTIPLE SECTIONS OFFERED.
MUST REGISTER UNDER 7XX SECTION NUMBER ASSIGNED TO SUPERVISING FACULTY MEMBER.
RESTRICTED COURSE APPROVAL REQUIRED. CONTACT INSTRUCTOR.

CHEM 5930  PROB LIEU THESIS
750 (2656) CRE 3.0
MULTIPLE SECTIONS OFFERED.
MUST REGISTER UNDER 7XX SECTION NUMBER ASSIGNED TO SUPERVISING FACULTY MEMBER.
RESTRICTED COURSE APPROVAL REQUIRED. CONTACT INSTRUCTOR.

CHEM 5950  THESIS
750 (2680) CRE V
MULTIPLE SECTIONS OFFERED.
MUST REGISTER UNDER 7XX SECTION NUMBER ASSIGNED TO SUPERVISING FACULTY MEMBER.
RESTRICTED COURSE APPROVAL REQUIRED. CONTACT INSTRUCTOR.

CHEM 6010  DOCTORAL SEMINAR
700 (2705) CRE 3.0
MULTIPLE SECTIONS OFFERED.
MUST REGISTER UNDER 7XX SECTION NUMBER ASSIGNED TO SUPERVISING FACULTY MEMBER.

CHEM 6900  SPECIAL PROBLEMS
700 (2724) CRE V
MULTIPLE SECTIONS OFFERED.
MUST REGISTER UNDER 7XX SECTION NUMBER ASSIGNED TO SUPERVISING FACULTY MEMBER.
RESTRICTED COURSE. APPROVAL REQUIRED. CONTACT DEPARTMENT.
CHEM 6910  SPECIAL PROBLEMS
700 (2744)  CRE V
  MULTIPLE SECTIONS OFFERED.
  MUST REGISTER UNDER 7XX SECTION NUMBER ASSIGNED TO SUPERVISING FACULTY MEMBER.

CHEM 6940  INDV RESEARCH
750 (2769)  CRE V
  MULTIPLE SECTIONS OFFERED.
  MUST REGISTER UNDER 7XX SECTION NUMBER ASSIGNED TO SUPERVISING FACULTY MEMBER.

CHEM 6950  DISSERTATION
750 (2797)  CRE V
  MULTIPLE SECTIONS OFFERED.
  MUST REGISTER UNDER 7XX SECTION NUMBER ASSIGNED TO SUPERVISING FACULTY MEMBER.

CHEM 6990  POST DOC RESEARCH
750 (2820)  CRE V
  MUST REGISTER UNDER 7XX SECTION NUMBER ASSIGNED TO SUPERVISING FACULTY MEMBER.

Five Week Session Two

CHEM 1420  GEN CHEM SCI
001 (3646)  CRE 3.0  MTWR 08:00 am-09:50 am  CHEM 109
  FOR SCIENCES CORE REQUIREMENT IN LABORATORY SCIENCE. MUST ALSO BE ENROLLED IN CHEM 1420.211 RECITATION. SHOULD ALSO BE ENROLLED IN CHEM 1440.
  GEN CHEM SCI II
211 (3647)  REC 0.0  M 02:00 pm-03:50 pm  CHEM 109
  HELP SESSION; STUDENT MUST BE ENROLLED.
  GEN CHEM SCI II

CHEM 1440  LAB SEQ GEN CHEM
001 (11314)  CRE 1.0  INET
  WEB-BASED INSTRUCTION.
  THIS IS AN INTERNET COURSE. COURSE ENROLLMENT IS RESTRICTED AND NON-TEXAS RESIDENT STUDENTS RESIDING OUTSIDE OF THE STATE ARE NOT ELIGIBLE TO ENROLL IN THIS SECTION. CONTACT THE DEPARTMENT FOR ENROLLMENT ASSISTANCE IN AN APPROPRIATE SECTION OF THE COURSE IF APPLICABLE.
  MUST HAVE HAD OR BE CONCURRENTLY ENROLLED IN CHEM 1420. MUST ALSO CHOOSE A .5XX LAB SECTION. THIS LECTURE SECTION IS ENTIRELY ONLINE. PLEASE NOTE THAT THE ASSOCIATED LAB SECTIONS WILL MEET ON CAMPUS ON THE INDICATED DAYS AND TIMES.
  SHOULD HAVE HAD OR BE CONCURRENTLY ENROLLED IN CHEM 1420.
501 (3648)  LAB 0.0  TWR 09:59 am-12:50 pm  CHEM 131
502 (3649)  LAB 0.0  TWR 09:59 am-12:50 pm  CHEM 134
503 (3650)  LAB 0.0  TWR 09:59 am-12:50 pm  CHEM 137
504 (3651)  LAB 0.0  TWR 12:59 pm-03:50 pm  CHEM 131
505 (11315)  LAB 0.0  TWR 12:59 pm-03:50 pm  CHEM 134
  SHOULD HAVE HAD OR BE CONCURRENTLY ENROLLED IN CHEM 1420.
506 (12162)  LAB 0.0  TWR 12:59 pm-03:50 pm  CHEM 137
507 (11316)  LAB 0.0  TWR 03:59 pm-06:50 pm  CHEM 131
  SHOULD HAVE HAD OR BE CONCURRENTLY ENROLLED IN CHEM 1420.

CHEM 2380  ORGANIC CHEMISTRY
001 (3652)  CRE 3.0  MTWR 11:00 am-12:50 pm  SAGE 116
  Berhe S
  USUALLY TAKEN CONCURRENTLY WITH CHEM 3220.
  PREREQUISITE: CHEM 2370
  ORGANIC CHEMISTRY I

CHEM 2900  INTRO CHEM RSCH
CHEM 2910  INTRO CHEM RSCH

CHEM 3220  ORGANIC CHEM LAB

CHEM 3240  ADV PHYS MEASURE

CHEM 3520  PHYSICAL CHEM

CHEM 4900  SPECIAL PROBLEMS

CHEM 4910  SPECIAL PROBLEMS

CHEM 4912  RESEARCH CAPSTONE

CHEM 4920  COOP ED IN CHEMISTRY
CHEM 5900 SPECIAL PROBLEMS
200 (3753) CRE V INET Golden T
CONTACT INSTRUCTOR AT TGOLDEN@UNT.EDU FOR MATERIAL NECESSARY FOR COURSE.
WEB-BASED INSTRUCTION.
RESTRICTED COURSE. APPROVAL REQUIRED. CONTACT DEPARTMENT.

CHEM 5910 SPECIAL PROBLEMS
200 (3780) CRE V INET Golden T
CONTACT INSTRUCTOR AT TGOLDEN@UNT.EDU FOR MATERIAL NECESSARY FOR COURSE.
WEB-BASED INSTRUCTION.
RESTRICTED COURSE. APPROVAL REQUIRED. CONTACT DEPARTMENT.
THIS IS AN INTERNET COURSE. COURSE ENROLLMENT IS RESTRICTED AND NON-TEXAS RESIDENT STUDENTS RESIDING OUTSIDE OF THE STATE ARE NOT ELIGIBLE TO ENROLL IN THIS SECTION. CONTACT THE DEPARTMENT FOR ENROLLMENT ASSISTANCE IN AN APPROPRIATE SECTION OF THE COURSE IF APPLICABLE.

CHEM 5920 PROB LIEU THESIS
750 (3807) CRE 3.0
MULTIPLE SECTIONS OFFERED.
MULTIPLE SECTIONS OFFERED.
MUST REGISTER UNDER 7XX SECTION NUMBER ASSIGNED TO SUPERVISING FACULTY MEMBER.
RESTRICTED COURSE. APPROVAL REQUIRED. CONTACT DEPARTMENT.

CHEM 5930 PROB LIEU THESIS
750 (3827) CRE 3.0
MULTIPLE SECTIONS OFFERED.
MULTIPLE SECTIONS OFFERED.
MUST REGISTER UNDER 7XX SECTION NUMBER ASSIGNED TO SUPERVISING FACULTY MEMBER.
RESTRICTED COURSE APPROVAL REQUIRED. CONTACT INSTRUCTOR.
CHEM 6900        SPECIAL PROBLEMS

CHEM 6910        SPECIAL PROBLEMS

CHEM 6940        INDV RESEARCH

CHEM 6950        DISSERTATION

CHEM 6990        POST DOC RESEARCH