# Chemistry

**CHEM/Chemistry**

## Ten Week Session

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<tr>
<th>Course Code</th>
<th>Course Title</th>
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<td>INTRO CHEM RSCH</td>
<td>703</td>
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<td>CHEM 4912</td>
<td>RESEARCH CAPSTONE</td>
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Five Week Session One

CHEM 1360  CONTEXT OF CHEM
001  (7179)  CRE 3.0  MTWR  08:00 am-09:50 am  GAB 104  Kinyanjui S
FOR ARTS AND SCIENCES CORE REQUIREMENT IN LABORATORY SCIENCE.
FOR NON-SCIENCE MAJORS ONLY.
Also meets: F  08:00 am-09:50 am GAB  104  6/ 9/17-6/ 9/17

501  (13420)  CRE 3.0  MTWR  03:00 pm-04:50 pm  FRSC 107  Tekarti S
THIS COURSE MEETS AT THE FRISCO CAMPUS
2811 INTERNET BLVD., FRISCO TX  75034.
Also meets: F  03:00 pm-04:50 pm FRSC 107  6/ 9/17-6/ 9/17

CHEM 1410  GEN CHEM SCI
001  (2598)  CRE 3.0  MTWR  08:00 am-09:50 am  CHEM 109  Browning C
FOR ARTS AND SCIENCES CORE REQUIREMENT IN LAB SCIENCE.
MUST ALSO BE ENROLLED IN CHEM 1410.211 RECITATION
PREREQUISITE: MATH 1100 OR EQUIVALENT.
SHOULD ALSO BE ENROLLED IN CHEM 1430.  CHOOSE ANY ONE CHEM 1430.5XX SECTIONS.
GEN CHEM SCI I
Also meets: F  08:00 am-09:50 am CHEM 109  6/ 9/17-6/ 9/17

211  (2599)  REC 0.0  M  02:00 pm-03:50 pm  CHEM 109  Browning C
HELP SESSION; MUST BE ENROLLED.
GEN CHEM SCI I

CHEM 1430  LAB SEQUENCE GEN CHEM
501  (2600)  CRE 1.0  TWR  10:00 am-12:50 pm  CHEM 131  Browning C
MUST HAVE HAD OR BE CONCURRENTLY ENROLLED IN CHEM 1410.
Also meets: TWR  10:00 am-10:50 am CHEM 352  6/ 5/17-7/ 7/17
Also meets: F  10:00 am-12:50 pm CHEM 131  6/ 9/17-6/ 9/17
Also meets: F  10:00 am-10:50 am CHEM 352  6/ 9/17-6/ 9/17

502  (2601)  CRE 1.0  TWR  10:00 am-12:50 pm  CHEM 134  Browning C
MUST HAVE HAD OR BE CONCURRENTLY ENROLLED IN CHEM 1410.
ALSO MEETS T/W/R FROM 10:00-10:50AM IN CHEM 352.
Also meets: TWR  10:00 am-10:50 am NO ASSGN  6/ 5/17-7/ 7/17
Also meets: F  10:00 am-12:50 pm CHEM 134  6/ 9/17-6/ 9/17
Also meets: F  10:00 am-10:50 am NO ASSGN  6/ 9/17-6/ 9/17

503  (2602)  CRE 1.0  TWR  02:00 pm-04:50 pm  CHEM 131  Browning C
MUST HAVE HAD OR BE CONCURRENTLY ENROLLED IN CHEM 1410.
Also meets: TWR  02:00 pm-02:50 pm CHEM 352  6/ 5/17-7/ 7/17
Also meets: F  02:00 pm-02:50 pm CHEM 352  6/ 9/17-6/ 9/17
Also meets: F  02:00 pm-04:50 pm CHEM 131  6/ 9/17-6/ 9/17

504  (2603)  CRE 1.0  TWR  02:00 pm-04:50 pm  CHEM 134  Browning C
MUST HAVE HAD OR BE CONCURRENTLY ENROLLED IN CHEM 1410.
ALSO MEETS T/W/R 2:00-2:50PM IN CHEM 352.
Also meets: TWR  02:00 pm-02:50 pm NO ASSGN  6/ 5/17-7/ 7/17
Also meets: F  02:00 pm-02:50 pm NO ASSGN  6/ 9/17-6/ 9/17
Also meets: F  02:00 pm-04:50 pm CHEM 134  6/ 9/17-6/ 9/17
CHEM 137TWR Browning CCRE 1.0 10:00 am-12:50 pm 505 (7306)
MUST HAVE HAD OR BE CONCURRENTLY ENROLLED IN CHEM 1410.
ALSO MEETS T/W/R FROM 10:00-10:50AM IN CHEM 352.
ALSO MEETS T/W/R 2:00-2:50PM IN CHEM 352.
Also meets: TWR 10:00 am-10:50 am NO ASSGN 6/5/17-7/7/17
Also meets: F 10:00 am-12:50 pm CHEM 137 6/9/17-6/9/17
Also meets: F 10:00 am-10:50 am NO ASSGN 6/9/17-6/9/17

CHEM 137TWR Browning CCRE 1.0 02:00 pm-04:50 pm 506 (7531)
MUST HAVE HAD OR BE CONCURRENTLY ENROLLED IN CHEM 1410.
Also meets: TWR 02:00 pm-02:50 pm NO ASSGN 6/5/17-7/7/17
Also meets: F 02:00 pm-02:50 pm NO ASSGN 6/9/17-6/9/17
Also meets: F 02:00 pm-04:50 pm CHEM 137 6/9/17-6/9/17

CHEM 2370 ORGANIC CHEMISTRY
001 (2604) CRE 3.0 MTWR 11:00 am-12:50 pm SAGE 116 Berhe S
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 6/9/17-6/9/17

CHEM 2900 INTRO CHEM RSCH
700 (2605) CRE V
REstricted course approval required. Contact instructor.
Multiple sections offered.
MUST REGISTER UNDER 7XX SECTION NUMBER ASSIGNED TO SUPERVISING FACULTY MEMBER.

CHEM 2910 INTRO CHEM RSCH
700 (2629) CRE V
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 (2653) CRE 1.0 M 09:30 am-10:50 am CURY 103 Berhe 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 (2654) LAB 0.0 TWR 08:00 am-10:50 am CHEM 241 Berhe S
Also meets: F 08:00 am-10:50 am CHEM 241 6/9/17-6/9/17
302 (2655) LAB 0.0 TWR 08:00 am-10:50 am CHEM 243 Berhe S
Also meets: F 08:00 am-10:50 am CHEM 243 6/9/17-6/9/17
303 (6049) LAB 0.0 TWR 01:30 pm-04:20 pm CHEM 241 Berhe S
Also meets: F 01:30 pm-04:20 pm CHEM 241 6/9/17-6/9/17
304 (6597) LAB 0.0 TWR 01:30 pm-04:20 pm CHEM 243 Berhe S
Also meets: F 01:30 pm-04:20 pm CHEM 243 6/9/17-6/9/17
305 (7299) LAB 0.0 TWR 04:30 pm-07:20 pm CHEM 241 Berhe S
Also meets: F 04:30 pm-07:20 pm CHEM 241 6/9/17-6/9/17

CHEM 3230 PHYSICAL MEASURE
001 (7458) CRE 1.0 M 02:00 pm-02:50 pm GAB 406 McAfee J
PREREQUISITE: CHEM 3510 OR SHOULD BE TAKEN CONCURRENTLY.
MUST ALSO ENROLL IN CHEM 3230.3XX
CHEM 3510 PHYSICAL CHEM
001 (7456) CRE 3.0  MTWR  10:00 am-11:50 am  CURY 210  Mcafee J
MUST ALSO BE ENROLLED IN CHEM 3510.211
PRE-REQUISITES: MATH 1720
Also meets: F  10:00 am-11:50 am CURY 110  6/ 9/17-6/ 9/17

CHEM 4900 SPECIAL PROBLEMS
700 (2656) 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 (2680) 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 (7239) 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 NUMBER ASSIGNED TO SUPERVISING FACULTY MEMBER.

CHEM 4920 COOP ED IN CHEMISTRY
715 (2704) CRE V  Acree Jr W

CHEM 5900 SPECIAL PROBLEMS
200 (2705) CRE V  Golden T
CONTACT INSTRUCTOR AT TGOLDEN@UNT.EDU FOR MATERIAL NECESSARY FOR COURSE.
WEB-BASED INSTRUCTION.
RESTRICTED COURSE. APPROVAL REQUIRED. CONTACT DEPARTMENT.

300 (2706) CRE V  INET  Golden T
CONTACT INSTRUCTOR AT TGOLDEN@UNT.EDU FOR MATERIAL NECESSARY FOR COURSE.
THIS COURSE RESTRICTED. LIMITED TO STUDENTS RESIDING OUT-OF-STATE ONLY. CONTACT DEPARTMENT.
WEB-BASED INSTRUCTION.
RESTRICTED COURSE. APPROVAL REQUIRED. CONTACT DEPARTMENT.

700 (2707) 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 (2733) CRE V  Golden T
CONTACT INSTRUCTOR AT TGOLDEN@UNT.EDU FOR MATERIAL NECESSARY FOR COURSE.
WEB-BASED INSTRUCTION.
RESTRICTED COURSE. APPROVAL REQUIRED. CONTACT DEPARTMENT.
CHEM 5920  PROB LIEU THESIS
750  (2759)  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  (2779)  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  (2803)  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  (2828)  CRE 3.0
MULTIPLE SECTIONS OFFERED.
MUST REGISTER UNDER 7XX SECTION NUMBER ASSIGNED TO SUPERVISING FACULTY MEMBER.

CHEM 6900  SPECIAL PROBLEMS
700  (2847)  CRE V
MULTIPLE SECTIONS OFFERED.
MUST REGISTER UNDER 7XX SECTION NUMBER ASSIGNED TO SUPERVISING FACULTY MEMBER.

CHEM 6910  SPECIAL PROBLEMS
700  (2867)  CRE V
MULTIPLE SECTIONS OFFERED.
MUST REGISTER UNDER 7XX SECTION NUMBER ASSIGNED TO SUPERVISING FACULTY MEMBER.

CHEM 6940  INDV RESEARCH
750  (2892)  CRE V
MULTIPLE SECTIONS OFFERED.
MUST REGISTER UNDER 7XX SECTION NUMBER ASSIGNED TO SUPERVISING FACULTY MEMBER.

CHEM 6950  DISSERTATION
750  (2920)  CRE V
MULTIPLE SECTIONS OFFERED.
MUST REGISTER UNDER 7XX SECTION NUMBER ASSIGNED TO SUPERVISING FACULTY MEMBER.

CHEM 6990  POST DOC RESEARCH
750  (2943)  CRE V
MULTIPLE SECTIONS OFFERED.
MUST REGISTER UNDER 7XX SECTION NUMBER ASSIGNED TO SUPERVISING FACULTY MEMBER.

Five Week Session Two

CHEM 1420  GEN CHEM SCI
CHEM 1440  LAB SEQ GEN CHEM

501 (3829) CRE 1.0 08:00 am-10:50 am CHEM 109 Petros A
SHOULD HAVE HAD OR BE CONCURRENTLY ENROLLED IN CHEM 1420.
Also meets: T/W/R 10:00 am-10:50 am CHEM 352 7/10/17-8/11/17
502 (3830) CRE 1.0 10:00 am-12:50 pm CHEM 134 Petros A
SHOULD HAVE HAD OR BE CONCURRENTLY ENROLLED IN CHEM 1420.
ALSO MEETS T/W/R 10:00AM-10:50AM IN CHEM 352.
Also meets: T/W/R 10:00 am-10:50 am NO ASSGN 7/10/17-8/11/17
503 (3831) CRE 1.0 10:00 am-12:50 pm CHEM 137 Petros A
SHOULD HAVE HAD OR BE CONCURRENTLY ENROLLED IN CHEM 1420.
ALSO MEETS T/W/R 10:00AM-10:50AM IN CHEM 352.
Also meets: T/W/R 10:00 am-10:50 am NO ASSGN 7/10/17-8/11/17
504 (3832) CRE 1.0 02:00 pm-04:50 pm CHEM 134 Petros A
SHOULD HAVE HAD OR BE CONCURRENTLY ENROLLED IN CHEM 1420.
Also meets: T/W/R 02:00 pm-02:50 pm CHEM 352 7/10/17-8/11/17
505 (7017) CRE 1.0 02:00 pm-04:50 pm CHEM 131 Petros A
SHOULD HAVE HAD OR BE CONCURRENTLY ENROLLED IN CHEM 1420.
ALSO MEETS T/W/R 2:00PM-2:50PM IN CHEM 352.
Also meets: T/W/R 02:00 pm-02:50 pm NO ASSGN 7/10/17-8/11/17
506 (7480) CRE 1.0 02:00 pm-04:50 pm CHEM 137 Petros A
SHOULD HAVE HAD OR BE CONCURRENTLY ENROLLED IN CHEM 1420.
ALSO MEETS T/W/R 10:00AM-10:50AM IN CHEM 352.
Also meets: T/W/R 02:00 pm-02:50 pm NO ASSGN 7/10/17-8/11/17

CHEM 2380  ORGANIC CHEMISTRY

001 (3833) CRE 3.0 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

700 (3834) CRE V
RESTRICTED COURSE APPROVAL REQUIRED. CONTACT INSTRUCTOR.
multiple sections offered.
MUST REGISTER UNDER 7XX SECTION NUMBER ASSIGNED TO SUPERVISING FACULTY MEMBER.

CHEM 2910  INTRO CHEM RSCH

700 (3858) CRE V
RESTRICTED COURSE APPROVAL REQUIRED. CONTACT INSTRUCTOR.
multiple sections offered.
MUST REGISTER UNDER 7XX SECTION NUMBER ASSIGNED TO SUPERVISING FACULTY MEMBER.

CHEM 3220  ORGANIC CHEM LAB

001 (3882) CRE 1.0 09:30 am-10:50 am CURY 103 Berhe S
MUST ALSO BE ENROLLED IN ANY CHEM 3220.3XX LAB SECTION.
MUST HAVE HAD OR BE CONCURRENTLY REGISTERED FOR CHEM 2380
PREREQUISITE: CHEM 2380 (SHOULD BE TAKEN CONCURRENTLY) AND CHEM 3210
301 (3883) LAB 0.0 08:00 am-10:50 am CHEM 241 Berhe S
302 (3884) LAB 0.0 08:00 am-10:50 am CHEM 243 Berhe S
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<td>ADV PHYS MEASURE</td>
<td>Mcafee J</td>
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<td>GAB 406</td>
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<td>CURY 211</td>
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<td>7264</td>
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<td>Golden T</td>
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<td>CRE V</td>
<td>CONTACT INSTRUCTOR AT <a href="mailto:TGGOLDEN@UNT.EDU">TGGOLDEN@UNT.EDU</a> FOR MATERIAL NECESSARY FOR COURSE. WEB-BASED INSTRUCTION. RESTRICTED COURSE. APPROVAL REQUIRED. CONTACT DEPARTMENT.</td>
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<td>CONTACT INSTRUCTOR AT <a href="mailto:TGGOLDEN@UNT.EDU">TGGOLDEN@UNT.EDU</a> FOR MATERIAL NECESSARY FOR COURSE. THIS COURSE RESTRICTED. LIMITED TO STUDENTS RESIDING OUT-OF-STATE ONLY. CONTACT DEPARTMENT. WEB-BASED INSTRUCTION.</td>
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CHEM 5910  SPECIAL PROBLEMS
200  (3961)  CRE V  Golden T
CONTACT INSTRUCTOR AT TGOLDEN@UNT.EDU FOR MATERIAL NECESSARY FOR COURSE.
WEB-BASED INSTRUCTION.
RESTRICTED COURSE.  APPROVAL REQUIRED.  CONTACT DEPARTMENT.

INET  Golden TCRE V300 (3962)
CONTACT INSTRUCTOR AT TGOLDEN@UNT.EDU FOR MATERIAL NECESSARY FOR COURSE.
THIS COURSE RESTRICTED.  LIMITED TO STUDENTS RESIDING OUT-OF-STATE ONLY. CONTACT
DEPARTMENT.
WEB-BASED INSTRUCTION.
RESTRICTED COURSE.  APPROVAL REQUIRED.  CONTACT DEPARTMENT.

CHEM 5920  PROB LIEU THESIS
750  (3988)  CRE 3.0
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  (4008)  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
754  (6741)  CRE V
RESTRICTED COURSE.  APPROVAL REQUIRED.  CONTACT DEPARTMENT.

CHEM 6010  DOCTORAL SEMINAR
700  (4056)  CRE 3.0
MULTIPLE SECTIONS OFFERED.
MUST REGISTER UNDER 7XX SECTION NUMBER ASSIGNED TO SUPERVISING FACULTY MEMBER.
RESTRICTED COURSE.  APPROVAL REQUIRED.  CONTACT DEPARTMENT.

CHEM 6900  SPECIAL PROBLEMS
700  (4075)  CRE V
MULTIPLE SECTIONS OFFERED.
MUST REGISTER UNDER 7XX SECTION NUMBER ASSIGNED TO SUPERVISING FACULTY MEMBER.
RESTRICTED COURSE.  APPROVAL REQUIRED.  CONTACT DEPARTMENT.
727  (6992)  CRE V  D'souza F
RESTRICTED COURSE.  APPROVAL REQUIRED.  CONTACT DEPARTMENT.

CHEM 6910  SPECIAL PROBLEMS
700  (4095)  CRE V
MULTIPLE SECTIONS OFFERED.
MUST REGISTER UNDER 7XX SECTION NUMBER ASSIGNED TO SUPERVISING FACULTY MEMBER.
RESTRICTED COURSE.  APPROVAL REQUIRED.  CONTACT DEPARTMENT.

CHEM 6940  INDV RESEARCH
750  (4119)  CRE V
MULTIPLE SECTIONS OFFERED.
MUST REGISTER UNDER 7XX SECTION NUMBER ASSIGNED TO SUPERVISING FACULTY MEMBER.
RESTRICTED COURSE.  APPROVAL REQUIRED.  CONTACT DEPARTMENT.

CHEM 6950  DISSERTATION
MULTIPLE SECTIONS OFFERED.
MUST REGISTER UNDER 7XX SECTION NUMBER ASSIGNED TO SUPERVISING FACULTY MEMBER.
RESTRICTED COURSE.  APPROVAL REQUIRED.  CONTACT DEPARTMENT.

CHEM 6990    POST DOC RESEARCH

MULTIPLE SECTIONS OFFERED.
MUST REGISTER UNDER 7XX SECTION NUMBER ASSIGNED TO SUPERVISING FACULTY MEMBER.
RESTRICTED COURSE.  APPROVAL REQUIRED.  CONTACT DEPARTMENT.