

Student Name: _____

Year entered TWU: _____

Advisor Name: _____

Anticipated Graduation Date: _____

CHEMISTRY MAJOR – GRADUATE SCHOOL PREPARATION PROGRAM CHECKLIST

THIS PROGRAM CHECKLIST IS INTENDED TO ASSIST STUDENTS AND ADVISORS IN ENSURING THAT ALL UNIVERSITY AND PROGRAM REQUIREMENTS ARE MET. THIS TOOL IS INTENDED FOR USE IN CONSULTATION WITH THE CURRENT ACADEMIC CALENDAR. IT IS THE RESPONSIBILITY OF THE **STUDENT** TO ENSURE THAT ALL REQUIREMENTS FOR THE GRANTING OF A DEGREE HAVE BEEN MET.

1. University Core Requirements (39 s.h.)* †

* University Core Requirements are modified for students who transfer in with 57 s.h. or more of credit. See Academic Calendar for details.

† Students may "double-count" a cross-listed core requirements course once. See <http://www.twu.ca/advising/corerequirements/> for more details.

| ✓ | COURSE | S.H. | NOTES | ✓ | COURSE | S.H. | NOTES |
|--------------------------------------|------------|------|---|--|------------|------|--|
| ENGLISH (6) | | | Compulsory during first two semesters following completion of the English Language Writing Competency requirement ¹ | NATURAL SCIENCE (6) | | | |
| <input type="checkbox"/> | ENGL 103 | 3 | Students for whom English is a foreign language may take ENGL 101 for either ENGL 103 or ENGL 104. | | | *** | Waived for Chemistry Major. |
| <input type="checkbox"/> | ENGL 104 | 3 | | | | *** | |
| FINE ARTS (3) | | | | PHILOSOPHY (3) | | | |
| <input type="checkbox"/> | _____ | 3 | May be chosen from Art, Fine Arts, Music, or Theatre. ² | <input type="checkbox"/> | PHIL _____ | 3 | |
| HISTORY (3) | | | | RELIGIOUS STUDIES (12) | | | |
| <input type="checkbox"/> | HIST _____ | 3 | | <input type="checkbox"/> | RELS 101 | 3 | Students may challenge the RELS 101 and/or 102 courses by writing an exam provided by the Religious Studies dept. ⁴ |
| HUMAN KINETICS (4) | | | | <input type="checkbox"/> | RELS 102 | 3 | |
| <input type="checkbox"/> | HKIN 190 | 2 | | <input type="checkbox"/> | RELS _____ | 3 | Biblical-content course (middle digit 0-5) |
| <input type="checkbox"/> | HKIN _____ | 1 | Activity course | <input type="checkbox"/> | _____ | 3 | Christianity and Culture or Inter-Cultural Religious Studies Course ⁵ |
| <input type="checkbox"/> | HKIN _____ | 1 | Activity course | SOCIETY & CULTURE (3) | | | |
| INTERDISCIPLINARY STUDIES (4) | | | | <input type="checkbox"/> | _____ | 3 | See footnote 6. |
| <input type="checkbox"/> | IDIS 102 | 1 | Spring semester of first year. ³ | UNIVERSITY ORIENTATION (1) Compulsory during first year. | | | |
| <input type="checkbox"/> | NATS 487 | 2 | | <input type="checkbox"/> | UNIV 101 | 1 | Fall or Spring semester of first year. ⁷ |
| <input type="checkbox"/> | NATS 490 | 1 | | | | | |

¹ English Language Writing Competency Requirement: students must take WRTG 100 or WRTG 101 in their first semester at TWU (unless exempt when admitted to the University). WRTG course credit may be included toward a degree program as elective credit.

² May include three 1-s.h. large theatre and music ensembles, but not small ensembles or music lessons.

³ IDIS 102 is compulsory in first year for all new students unless they have minimum 42 s.h. initial transfer credit.

⁴ A passing grade allows the student to replace RELS 101 and/or 102 with an alternative biblical-content course(s).

⁵ RELS course with a middle digit 6-9 or PHIL 210 or PHIL 310. If PHIL 210/310 is chosen, this will NOT also fulfill the Philosophy requirement.

⁶ Students may choose from Anthropology, Communications, Economics, Geography (excl. 121/320), Modern Languages, Political Studies, Psychology, or Sociology.

⁷ UNIV 101 is compulsory during the first semester of the first year for all new students unless they have minimum 27 s.h. initial transfer credit.

2. Required Chemistry Courses (45 s.h.)

| ✓ | COURSE | S.H. | NOTES | ✓ | COURSE | S.H. | NOTES |
|--------------------------|----------|------|------------------------------------|--------------------------|--------------|------|---|
| <input type="checkbox"/> | CHEM 111 | 3 | Or 103/112 or 103/104 (B standing) | <input type="checkbox"/> | CHEM 357 | 3 | |
| <input type="checkbox"/> | CHEM 112 | 3 | | <input type="checkbox"/> | CHEM 358 | 3 | |
| <input type="checkbox"/> | CHEM 221 | 3 | | <input type="checkbox"/> | CHEM 384 | 3 | |
| <input type="checkbox"/> | CHEM 222 | 3 | | <input type="checkbox"/> | CHEM 409/410 | 3 | |
| <input type="checkbox"/> | CHEM 230 | 3 | | <input type="checkbox"/> | CHEM 431 | 3 | |
| <input type="checkbox"/> | CHEM 240 | 3 | | <input type="checkbox"/> | CHEM _____ | 3 | Choose from: CHEM 322, 342, 370, 386, 432, 469 (including a maximum of 1 course from CHEM 370 or 386) |
| <input type="checkbox"/> | CHEM 321 | 3 | | <input type="checkbox"/> | CHEM _____ | 3 | |
| <input type="checkbox"/> | CHEM 341 | 3 | | | | | |

3. Ancillary Requirements (21 s.h.)

| ✓ | COURSE | S.H. | NOTES | ✓ | COURSE | S.H. | NOTES |
|--------------------------|----------|------|--|--------------------------|-----------------|------|--|
| <input type="checkbox"/> | MATH 123 | 3 | | <input type="checkbox"/> | PHYS 111 | 3 | |
| <input type="checkbox"/> | MATH 124 | 3 | | <input type="checkbox"/> | PHYS 112 | 3 | |
| <input type="checkbox"/> | MATH 223 | 3 | | <input type="checkbox"/> | PHYS 230 or 220 | 3 | PHYS 220 may only be taken if MATH 250 or a 300/400 level MATH course is also taken. |
| <input type="checkbox"/> | _____ | 3 | Choose from: MATH 250, PHYS 220 or a 300 or 400-level MATH course. | | | | |

4. Elective Courses (17 s.h.)

STUDENTS ARE ENCOURAGED, BUT NOT REQUIRED TO TAKE ELECTIVE CLASSES THAT CONTRIBUTE TO A CONCENTRATION OR A MINOR. A CONCENTRATION REQUIRES 30 S.H. OF CREDIT FROM ANOTHER DEPARTMENT, AND A MINOR REQUIRES 24 S.H. THE NUMBER OF UPPER-LEVEL CREDITS REQUIRED VARIES BY DEPARTMENT. CONSULT A CURRENT COPY OF THE ACADEMIC CALENDAR FOR DETAILS. ** IF YOU CHOOSE TO TAKE A CONCENTRATION OR A MINOR, PLEASE DESIGNATE BELOW AND REFER TO THE CURRENT ACADEMIC CALENDAR FOR REQUIREMENTS.

Concentration / Minor/ Electives

CONC: _____ MINOR: _____

| ✓ | SUBJECT | COURSE # | S.H. | NOTES | ✓ | SUBJECT | COURSE # | S.H. | NOTES |
|--------------------------|---------|----------|------|--|--------------------------|---------|----------|------|-------|
| <input type="checkbox"/> | _____ | _____ | ___ | Suggested electives include: CMPT 100-127, 140, 141 | <input type="checkbox"/> | _____ | _____ | ___ | |
| <input type="checkbox"/> | _____ | _____ | ___ | | <input type="checkbox"/> | _____ | _____ | ___ | |
| <input type="checkbox"/> | _____ | _____ | ___ | | <input type="checkbox"/> | _____ | _____ | ___ | |
| <input type="checkbox"/> | _____ | _____ | ___ | | <input type="checkbox"/> | _____ | _____ | ___ | |
| <input type="checkbox"/> | _____ | _____ | ___ | | <input type="checkbox"/> | _____ | _____ | ___ | |
| <input type="checkbox"/> | _____ | _____ | ___ | | <input type="checkbox"/> | _____ | _____ | ___ | |
| <input type="checkbox"/> | _____ | _____ | ___ | | <input type="checkbox"/> | _____ | _____ | ___ | |
| <input type="checkbox"/> | _____ | _____ | ___ | | <input type="checkbox"/> | _____ | _____ | ___ | |
| <input type="checkbox"/> | _____ | _____ | ___ | | <input type="checkbox"/> | _____ | _____ | ___ | |
| <input type="checkbox"/> | _____ | _____ | ___ | | <input type="checkbox"/> | _____ | _____ | ___ | |
| <input type="checkbox"/> | _____ | _____ | ___ | | <input type="checkbox"/> | _____ | _____ | ___ | |
| <input type="checkbox"/> | _____ | _____ | ___ | | <input type="checkbox"/> | _____ | _____ | ___ | |

➤ **NOTE:** A total of 122 s.h. of credit, including a minimum of 42 s.h. of upper-level credit is required for graduation. A minimum overall (cumulative) GPA of 2.00 is required for graduation.

➤ **NOTE:** In order to be eligible for Graduation you must fill in an Application for Graduation Form and return it to the Registrar's Office (formerly Enrolment Services) by April 30 of the year prior to your completion (there is no fee to apply for graduation). When you have handed in your application for graduation, the Registrar's Office will complete a graduation audit for you. This audit will confirm which courses are still outstanding in order for you to complete your degree.