



**BACHELOR OF SCIENCE DEGREE CHECK SHEET  
MAJOR IN CHEMISTRY  
2009-2010**

| Last | First | Middle or Maiden | ID# | Date |
|------|-------|------------------|-----|------|
|------|-------|------------------|-----|------|

  

|   |  |
|---|--|
| <p><b>I. GENERAL EDUCATION (50 hours)</b></p> <p><input type="checkbox"/> ENGL 1113<br/><input type="checkbox"/> ENGL 1213<br/><input type="checkbox"/> COMM 1113<br/><input type="checkbox"/> MATH 2215<br/><input type="checkbox"/> Biological Science (4 hours)<br/><input type="checkbox"/> CHEM 1361/1364<br/><input type="checkbox"/> HIST 1483 or 1493<br/><input type="checkbox"/> PS 1113<br/><input type="checkbox"/> Humanities (6 hours)</p> <p>_____</p> <p>_____</p> <p><input type="checkbox"/> FAMS 1123, PSY 1113 or SOCI 1113<br/><input type="checkbox"/> AGRIC 1334, ECON 2013,<br/>GEOG 3023 or CRM 3603<br/><input type="checkbox"/> Physical Education activities (4 hours) or<br/>Military Science (8 hours)</p> <p><b>ELECTIVES</b> to total 50 semester hours<br/>(No more than 6 hrs in any one dept.)</p> <p>_____</p> <p>_____</p> <p>_____</p> <p>_____</p> | <p><b>II. MAJOR (40 hours)</b></p> <p><b>A. Required Core Courses (27-29 hours)</b></p> <p><input type="checkbox"/> CHEM 1361/1364 General Chemistry I<br/><input type="checkbox"/> CHEM 1471/1474 General Chemistry II<br/><input type="checkbox"/> CHEM 3113 Fund of Analytical Chem<br/><input type="checkbox"/> CHEM 3232 Quantitative Analysis<br/><input type="checkbox"/> CHEM 3314 Organic Chemistry I<br/><input type="checkbox"/> CHEM 3324 Organic Chemistry II<br/><input type="checkbox"/> PSCI 4442 Lit for Physics &amp; Chemistry</p> <p><b>Analytical Elective - select one from:</b></p> <p><input type="checkbox"/> CHEM 2222 Qualitative Analysis<br/><input type="checkbox"/> CHEM 3334 Chem of Water &amp; Waste<br/><input type="checkbox"/> CHEM 3343 Organic Analysis<br/><input type="checkbox"/> CHEM 4025 Instrumental Analysis</p> <p><b>B. Concentration</b></p> <p><b>Option A - Physical Chemistry (8 hours)</b></p> <p><input type="checkbox"/> CHEM 4351 Physical Chemistry I Lab<br/><input type="checkbox"/> CHEM 4353 Physical Chemistry I<br/><input type="checkbox"/> CHEM 4361 Physical Chemistry II Lab<br/><input type="checkbox"/> CHEM 4363 Physical Chemistry II</p> <p><b>Option B - Biochemistry (8 hours)</b></p> <p><input type="checkbox"/> CHEM 4401 Biochemistry I Lab<br/><input type="checkbox"/> CHEM 4403 Biochemistry I<br/><input type="checkbox"/> CHEM 4411 Biochemistry II Lab<br/><input type="checkbox"/> CHEM 4413 Biochemistry II</p> <p><b>C. Other Elective Courses to Total 40 hours*</b></p> <p><input type="checkbox"/> CHEM 2441 Working Safely with Chemicals<br/><input type="checkbox"/> CHEM 3334 Chem of Water &amp; Waste Water<br/><input type="checkbox"/> CHEM 3343 Organic Analysis<br/><input type="checkbox"/> CHEM 4025 Instrumental Analysis<br/><input type="checkbox"/> CHEM 4334 Advanced Inorganic Chemistry<br/><input type="checkbox"/> CHEM 4332 Advanced Inorganic Chem Lab<br/><input type="checkbox"/> CHEM 4453 Advanced General Chemistry<br/><input type="checkbox"/> CHEM 4481-3 Advanced Topics in Chem<br/><input type="checkbox"/> CHEM 4491-4 Spec Prob in Chemistry</p> <p>_____</p> <p>_____</p> <p>*This may include Biochemistry if Option A is completed or Physical Chemistry if Option B is completed. CHEM 1004, CHEM 3544, and CHEM 4303 may not be used as electives. CHEM 3345 may not be used in addition to CHEM 3314/3324. Only three hours of CHEM 4491-3 may be counted toward completion of the required forty hours for Chemistry degree.</p> |
|---|--|

  

**III. MINOR \_\_\_\_\_ (18 hours)**  
(Strongly recommend Biology, Mathematics or Physics)

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

  

**IV. ADDITIONAL REQUIREMENTS (15 hours)**

PHYS 1115 Physics I **OR**  
 PHYS 2015 Calculus-based Physics I  
 PHYS 1215 Physics II **OR**  
 PHYS 2025 Calculus-based Physics II  
 MATH 2215 Calculus & Analytic Geometry I\*\*  
\*\*included in General Education

Electives to total 128 hours

\_\_\_\_\_

\_\_\_\_\_

  

---

**V. GRADUATION REQUIREMENTS**

Department Requirements

Complete Departmental Computer Literacy Test

Assessment Completed \_\_\_\_\_

Liberal Arts & Sciences (55 hours)

Minimum 128 credit hours completed

Minimum 40 credit hours upper division

Retention GPA 2.0 (C average)

Cameron GPA 2.0 (C average)

Complete Graduation Application at Registrar's Office