



BACHELOR OF SCIENCE DEGREE CHECK SHEET
MAJOR IN CHEMISTRY
2008-2009

Last	First	Middle or Maiden	ID#	Date
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I. GENERAL EDUCATION (50 hours)

- ENGL 1113
- ENGL 1213
- COMM 1113
- MATH 2215
- Biological Science (4 hours)
- CHEM 1361/1364
- HIST 1483 or 1493
- PS 1113
- Humanities (6 hours)

- _____
- _____
- FAMS 1123, PSY 1113 or SOCI 1113
- AGRIC 1334, ECON 2013,
GEOG 3023 or CRM 3603
- Physical Education activities (4 hours) or
Military Science (8 hours)

ELECTIVES to total 50 semester hours
(No more than 6 hrs in any one dept.)

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

II. MAJOR (40 hours)

A. Required Core Courses (27-29 hours)

- CHEM 1361/1364 General Chemistry I
- CHEM 1471/1474 General Chemistry II
- CHEM 2113 Fund of Analytical Chem
- CHEM 2232 Quantitative Analysis
- CHEM 3314 Organic Chemistry I
- CHEM 3324 Organic Chemistry II
- PSCI 4442 Lit for Physics & Chemistry

Analytical Elective - select one from:

- CHEM 2222 Qualitative Analysis
- CHEM 3334 Chem of Water & Waste
- CHEM 3343 Organic Analysis
- CHEM 4024 Instrumental Analysis

B. Concentration

Option A - Physical Chemistry (8 hours)

- CHEM 4351 Physical Chemistry I Lab
- CHEM 4353 Physical Chemistry I
- CHEM 4361 Physical Chemistry II Lab
- CHEM 4363 Physical Chemistry II

Option B - Biochemistry (8 hours)

- CHEM 4401 Biochemistry I Lab
- CHEM 4403 Biochemistry I
- CHEM 4411 Biochemistry II Lab
- CHEM 4413 Biochemistry II

C. Other Elective Courses to Total 40 hours*

- CHEM 2441 Working Safely with Chemicals
- CHEM 3334 Chem of Water & Waste Water
- CHEM 3343 Organic Analysis
- CHEM 4024 Instrumental Analysis
- CHEM 4334 Advanced Inorganic Chemistry
- CHEM 4332 Advanced Inorganic Chem Lab
- CHEM 4453 Advanced General Chemistry
- CHEM 4481-3 Advanced Topics in Chem
- CHEM 4491-4 Spec Prob in Chemistry

*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.

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