



# BACHELOR OF SCIENCE DEGREE CHECK SHEET

## MAJOR IN PHYSICS

### 2007-2008

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 1364/1361
- \_\_\_ HIST 1483 or 1493
- \_\_\_ PS 1113
- \_\_\_ Humanities (6 hours)
- \_\_\_ \_\_\_\_\_
- \_\_\_ FAMS 1123, PSY 1113, or SOCI 1113
- \_\_\_ AGRC 1334, ECON 2013, GEOG 3023, or CRM 3603
- \_\_\_ Physical Education activities (4 hours) or Military Science (4 hours)

**ELECTIVES** to total 50 semester hours  
(no more than 6 hours in any one dept)

- \_\_\_ \_\_\_\_\_
- \_\_\_ \_\_\_\_\_
- \_\_\_ \_\_\_\_\_
- \_\_\_ \_\_\_\_\_

#### III. MINOR \_\_\_\_\_ (18 hours) (Strongly recommend Mathematics or Chemistry)

- \_\_\_ \_\_\_\_\_
- \_\_\_ \_\_\_\_\_
- \_\_\_ \_\_\_\_\_
- \_\_\_ \_\_\_\_\_

#### IV. ADDITIONAL REQUIREMENTS (22 hours)

- \_\_\_ CHEM 1364 & 1361 \*
- \_\_\_ CHEM 1474 & 1471
- \_\_\_ MATH 2215 Calculus & Analytic Geometry I \*
- \_\_\_ MATH 2235 Calculus II
- \_\_\_ MATH 2244 Calculus III
- \_\_\_ MATH 3253 Differential Equations
- \_\_\_ Electives to total 128 credit hours
- \_\_\_ \_\_\_\_\_
- \_\_\_ \_\_\_\_\_

\*Included in General Education

#### II. MAJOR (45 hours)

##### A. Required Core Courses (33 hours)

- \_\_\_ PHYS 1115 Physics I **OR** PHYS 2015
- \_\_\_ PHYS 1215 Physics II **OR** PHYS 2025
- \_\_\_ PHYS 3003 Modern Physics
- \_\_\_ PHYS 3011 Modern Physics Lab
- \_\_\_ PHYS 3024 Elect Meas & Electronics
- \_\_\_ PHYS 3031 Elect Meas & Electronics Lab
- \_\_\_ PHYS 3303 Mechanics
- \_\_\_ PHYS 3403 Heat & Thermodynamics
- \_\_\_ PHYS 4113 Elect & Magnetism
- \_\_\_ PHYS 4403 Light
- \_\_\_ PSCI 4442 Lit of Physics & Chem

##### B. Required Electives (12 hours) A minimum of 6 hours must be completed from each group.

###### Group A Electives (6 hours)

- \_\_\_ CS 3344 Numerical Analysis I
- \_\_\_ CS 3443 Numerical Analysis II
- \_\_\_ MATH 2244 Calculus & Analytical Geom III
- \_\_\_ MATH 3253 Differential Equations
- \_\_\_ EET 2013 Electronics II
- \_\_\_ EET 3133 Measurements & Controls II
- \_\_\_ CHEM 2113 Fund of Anal Chem
- \_\_\_ CHEM 3343 Organic Analysis
- \_\_\_ CHEM 4024 Instr Meth of Analysis

###### Group B Electives (6 hours)

- \_\_\_ PHYS 3033 Modern Physics II
- \_\_\_ PHYS 4452 Advanced Lab
- \_\_\_ PHYS 4491-3 Special Problems
- \_\_\_ CHEM 4353 Physical Chem I
- \_\_\_ CHEM 4351 Physical Chem I Lab
- \_\_\_ CHEM 4363 Physical Chem II
- \_\_\_ CHEM 4361 Physical Chem II Lab
- \_\_\_ MATH 3013 Intro Linear Algebra
- \_\_\_ MATH 4433 Matrix Algebra

#### 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