BACHELOR OF SCIENCE DEGREE CHECK SHEET
MAJOR IN PHYSICS
2011-2012

Last **First** **Middle or Maiden** **ID#** **Date**

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

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____ _____
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III. MINOR _____ (18 hours)
(Strongly recommend Mathematics or Chemistry)

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IV. ADDITIONAL REQUIREMENTS (**20** hours)

____ CHEM 1474 & 1471 General Chemistry II & Lab
____ MATH 2235 Calculus & Analytic Geometry II
____ MATH 2244 Calculus & Analytic Geometry III
____ MATH 3253 Differential Equations
____ CIS 2013 Visual Basic Programming or similar course
in C++, Fortran or other computer language
____ Electives to total 128 credit hours
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II. MAJOR (40 hours)

A. Required Core Courses (28 hours)

____ PHYS 1115 Physics I **OR**
PHYS 2015 Physics I for Engr. Majors
____ PHYS 1215 Physics II **OR**
PHYS 2025 Physics II for Engr. Majors
____ PHYS 3003 Modern Physics I
____ PHYS 3011 Modern Physics I Lab
____ PHYS 3043 Intro. to Quantum Mechanics
____ PHYS 3303 Classical Mechanics
____ PHYS 3403 Heat & Thermodynamics
____ PHYS 4113 Elect & Magnetism
____ PSCI 4442 Lit for Physics & Chemistry

B. Course Options—Select One (labs are required)

Option A Electronics (5 hours)

____ PHYS 3031 Elect Meas & Electronics Lab
____ PHYS 3024 Elect Meas & Electronics

Option B Optics (4 hours)

____ PHYS 4401 Light and Optics Lab
____ PHYS 4403 Light and Optics

C. Other Elective Courses to Total 40 hours*

____ CHEM 4353 Physical Chemistry I
____ CHEM 4363 Physical Chemistry II
____ PHYS 3033 Modern Physics II
____ PHYS 4452 Advanced Lab
____ PHYS 4481-3 Advanced Topics in Physics
____ PHYS 4491-3 Special problems

V. GRADUATION REQUIREMENTS

____ Department Requirements
____ 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)
____ Assessment Completed
____ Complete Departmental Computer Literacy Test
____ Complete Graduation Application at Registrar's Office