

# Integrated Science & Business Major (BS degree) CHECKLIST

(rev. 23 Sept. '09)

*Note: This document is **not** legally binding. It is intended only to give guidance in planning one's program. The actual sequence of courses taken will vary according to a student's background, course availability and other factors.*

## A. Communication/Calculation Skills

- \_\_\_\_\_ 101 Freshman English (3 u)
- \_\_\_\_\_ 102 Freshman English (3 u)
- \_\_\_\_\_ 110 Speech (3 u)
- \_\_\_\_\_ 141 Intermed. Algebra (3 u)

## B. Quantitative & Technical Reasoning (13-20 u)

- \_\_\_\_\_ LAB SCIENCE COURSE (4-5 u)\*
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- \*Two 4-5 credit laboratory science courses from two different disciplines. One of these courses may count toward the Science Core in sec. H.

- \_\_\_\_\_ 152 Elementary Functions (5 u)
- \_\_\_\_\_ 250 OR 253 Calculus (5 u)

## C. Cultural Heritage (6 u)

- \_\_\_\_\_ 110 World of the Arts (3 u)
  - \_\_\_\_\_ 390 World of Ideas (3 u)
- [junior standing]

## D. Communities (6 u)

- \_\_\_\_\_ 130 Individual & Society (3 u)
- \_\_\_\_\_ 140 Global Perspectives (3 u) **or**
- \_\_\_\_\_ 120 U.S. Exper. in World Context (3 u)

## E. Physical Education (1 u)

- \_\_\_\_\_ 192 Personal Health & Fitness (1 u)

## F. Breadth Electives (6 u)

- \_\_\_\_\_ 201 Microeconomics (3 u)
- \_\_\_\_\_ 202 Macroeconomics (3 u)

## G. Diversity Requirement (3 u) \_\_\_\_\_

## H. Science Requirements (32 u)#

1. Science Core (15-20 u) – Select from at least *two or more* of the following areas:

- \_\_\_\_\_ 141 Intro. Biology I (5 u)
- \_\_\_\_\_ 142 Intro. Biology II (5 u)
- \_\_\_\_\_ 102 Intro. Chemistry I (5 u)
- \_\_\_\_\_ 104 Intro. Chemistry II (5 u)
- \_\_\_\_\_ 100 Intro. Geology (5 u) OR 210 Physical Geography (5 u)
- \_\_\_\_\_ 140 Principles of Physics I (5 u)
- \_\_\_\_\_ 141 Principles of Physics II (5 u)
- \_\_\_\_\_ 180 Physics for Sci./Eng. I (5 u)
- \_\_\_\_\_ 181 Physics for Sci./Eng. II (5 u)
- \_\_\_\_\_ Any other advanced science majors course from the above areas.

#Students taking physics courses as part of the Science Core or Science Emphasis that require MATH 254 as a pre-requisite may use MATH 254 as fulfilling a part of their Science Core 20 unit requirement. Physics 160/162 or 170/172/173 taken prior to fall '07 also meet the above requirement

## 2. Science Emphasis (12-17 u)

Select courses from, at most, two of the areas taken as part of the Science Core. These must be at advancing levels in the area (BIO 200+, except 200, 214, 230; CHEM 200+; PHYSICS 200+, except 212, 240; Geology 200+; GEOGRPY 252, 300, 320, 323).

\_\_\_\_\_ (\_\_\_\_ u)

\_\_\_\_\_ (\_\_\_\_ u)

\_\_\_\_\_ (\_\_\_\_ u)

3. Science core and emphasis must total 32 credits.

