# CELL BIOLOGY AND PHYSIOLOGY EMPHASIS CHECK LIST

**UNIQUE REQUIREMENTS**

- Math 152 or 243 or 250
- Chemistry 102
- Chemistry 104
- Chem. 251 – Organic Chem. I
- Chem. 252 – Organic Chem. II
- Biology 200 or Biology 303 or Eng 372
- Biology 303 or Psych 215

Physics 140 & 141 (or 180/181) are recommended

**CELL BIO/PHYSIOLOGY EMPHASIS**

- Bio 141 – Bio I
- Bio 142 – Bio II
- Bio 251 – Intro. to Genetics
- Bio 253 – Intro. to Cell Biology
- Bio 254 – Biotech Lab Methods I
- Bio 257 – Intro. to Ecology
- Bio 363 – Molecular Biology
- Bio 390 – Colloquium (.5 units)
- Bio 400 – Senior Colloquium (.5 units)
- One – Six units from the following:
  - Bio 493, Bio 498, Bio 491

  - At least 3 courses from the following
    - Bio 301 Behavioral Neuroscience
    - Bio 311 Microbiology
    - Bio 340 Comp Vertebrate Anatomy
    - Bio 341 Developmental Biology
    - Bio 345 Animal Physiology
    - Bio 361 Human Anat & Phys I
    - Bio 362 Human Anat & Phys II
    - Bio 364 Biotech Lab Methods II
    - Bio 412 Immunology
    - Bio 415 Endocrinology
    - Bio 456 Biochemistry

- Select additional units of Bio electives
  - Numbered 300 or above, excluding Bio 303, Bio 493, and Bio 498 to total 40 units

*An approved MINOR is required for this major.*

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**Updated 9/10/09**

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**Total 40 credits in the emphasis**