REQUIREMENTS FOR TEACHER CERTIFICATION IN BIOLOGY
(43 3-credit courses PLUS 3 1-credit Phys. Ed. PLUS 4 1-credit field experiences)

Name ___________________________ ___________________ ____
Last First L.

BIOLOGY (B.S.)
MAJOR

1. GENERAL EDUCATION CORE

A. BASIC REQUIREMENTS:
1. Communication and Thought:
   EN 103    ____
   EN 104    ____

2. Physical Education Courses:
   PE 100       ____
   Activities (Select two)   ____   ____

B. CULTURAL LITERACY:
1. Humanities 1 & 2. Select one set:
   (HI 201-202)/ (PO 201-202). (HI 201 - 202 recommended)  ____   ____
2. Humanities 3: Great Works of Art
   (N.B. Must be Art, not Music)  ____   ____
3. Humanities 4: Great Works of Literature
   (See Bulletin - EN, FR, SP, PL, PO, TH)  ____   ____

2. Foreign Language/World Cultures courses (two):
   ____   ____

C. MODES OF THINKING:
1. Literature (Select one: EN 110, 112, 115)  ____   ____

2. Mathematics:
   (Satisfied by the major - MA 121,122)

3. Natural Science:
   (Satisfied by the major)

4. Philosophy:
   PL 109   ____

5. Social Sciences:
   PS 109   ____
   (Required by STEP)

D. CHRISTIAN VALUES AND THEOLOGY
1. Catholic Theology (TH 109)  ____
2. Intermediate Theology:
   (Select any 200 or 300 level course)  ____   ____

3. Values Seminar:  ____   ____

2. MAJOR:
1) BI 151   ____
2) BI 152   ____
3) BI 255   ____
4) BI 256   ____
5) BI 355   ____
6) BI 356   ____
7) BI 455   ____
8) CH 101   ____
9) CH 102   ____
10) CH 231  ____
11) CH 232  ____
12) MA 121  ____
13) MA 122  ____
14) PH 201  ____
15) PH 202  ____

3. EDUCATION:
1) ED 109 (or ED 301)  ____
2) ED 209   ____
3) ED 218 (or 216)   ____
4) ED 2801 (1 credit)   ____
5) ED 330   ____
6) ED 364   ____
7) ED 366   ____
8) ED 373   ____
9) ED 3801 (1 credit)  ____
10) ED 3802 (1 credit)  ____
11) ED 405   ____
12) ED 413   ____
13) ED 4801 (1 credit)  ____
14) ED 450   ____
15) ED 452   ____
16) ED 454   ____
17) ED 456   ____
18) ED 457   ____

4. STEP CONTROLLED REQUIREMENTS
1) BI 241   ____
2) CH 105 (1 cr.)  ____

5. OTHER REQUIREMENTS:
PPST: Reading (0710)   ____
       Writing (0730)   ____
       Mathematics (0720)   ____
Biology: Content Knowledge (0235)   ____
SP-164 Criminal Record Check   ____
CY-113 Child Abuse History Clearance  ____
FBI Federal Criminal History Check  ____
Tuberculin (TB) Test  ____

STEP Coordinator__________________________
Advisor ________________________________

Dr. J. Rance-Roney, Director STEP
Dr. S. Mattingly, Director of Advising and Retention
Effective fall, 2010
STEP CERTIFICATION
Typical Program: BIOLOGY MAJOR, B. S.

Fall Semester                                                                                                          Spring Semester

First Year                                                                                                                
Introductory Biology I (BI 151)                                                                                         Introductory Biology II (BI 152)
Chemical Principles (CH 101)                                                                                             General Chemistry (CH 102)
Communication & Thought I (EN 103)                                                                                       Communication & Thought II (EN 104)
Foreign Language/World Cultures                                                                                         Foreign Language/World Cultures
Introduction to Psychology (PS 109)                                                                                     The Educative Process (ED 109) or ED 301
Lifetime Fitness and Wellness (PE 100)                                                                                   
Laboratory Safety (CH 105) * one-credit, offered every other fall    

Second Year                                                                                                               
Molecular Cell Biology I (BI 255)                                                                                       Molecular Cell Biology II (BI 256)
Organic Chemistry I (CH 231)                                                                                             Organic Chemistry II (CH 232)
Humanities 1 - *HI 201 recommended                                                                                    Humanities 2 - *HI 202 recommended
Calculus I (MA 121)                                                                                                      Calculus II (MA 122)
Philosophical Thinking (PL 109)                                                                                          Catholic Theology (TH 109)
Cognition and Learning (ED 209) or ED 311                                                                                 Introduction to Exceptionality (ED 218) or ED 216
STEP Clinical Field Experience 1 (ED 2801) 1 credit                                                                  (overload) +
Physical Education (Activity)                                                                                           
(overload) +

Third Year                                                                                                               
Human Structure and Function I (BI 355)                                                                                  Human Structure and Function II (BI 356)
General Physics I (PH 201)                                                                                               General Physics II (PH 202)
Literacy Interventions, Gr. 4-12 (ED 366)                                                                              Curriculum & Instruction I (ED 330)
Humanities 3 (Art)                                                                                                        Humanities 4
Literature MOT                                                                                                            Intermediate Theology (TH 200 or 300 Level)
Ecology (BI 241)*                                                                                                       STEP Clinical Field Experience 3 (ED 3802) 1 credit
STEP Clinical Field Experience 2 (ED 3801) 1 credit                                                                  (overload)+
Physical Education Activity                                                                                                
(overload)+

Fourth Year                                                                                                              
Senior Research Seminar (BI 455)                                                                                        Student Teaching +
Values Seminar (ED 475 recommended)                                                                                     Instruction of Planning (ED 450)
Teaching English Learners (ED 373)                                                                                       Classroom Management (ED 452)
The Inclusive Classroom (ED 364)                                                                                         Instructional Delivery (ED 454)
Advanced Teaching and Assessment (ED 405)                                                                                Professionalism (ED 456)
Teaching of Science in Secondary Schools (ED 413+Lab)                                                                    
STEP Clinical Field Experience 4 (ED 4801) 1 credit                                                                  (overload)+

* STEP required courses

+Due to student teaching and certification requirements, students will need to either overload four semesters, or take four summer school classes. No other courses may be taken during student teaching.

Dr. J. Rance-Roney, Director STEP                                                                                       Effective fall, 2010
Dr. S. Mattingly, Director of Advising and Retention