

Biology --Teacher Certification (7-12)

Name: _____

Major (s) (1) _____ (2) _____

College Core Requirements

1. Common Intellectual Experience

CIE 100 _____ CIE 200 _____

2. Foreign Language (two courses)

_____ _____

3. Deductive Reasoning (R)

_____ _____

4. Scientific inquiry/experimentation (S)

_____ _____

5. Social Scientific inquiry (SS)

_____ _____

6. Quantitative reasoning (Q)

_____ _____

7. Humanistic inquiry (H)

_____ _____

8. Artistic/performance (A)

_____ _____

9. DN/GN and O courses (Only 2 from student's major)

DN Course _____ _____

GN Course _____ _____

O Course _____ _____

10. Linked inquiry (LINQ)

_____ _____

11. Core Capstone (CCAP)

_____ _____

12. Experiential Learning Project (XLP)

_____ _____

Biology Required (16 credits):

BIO 101Q _____ BIO 102Q _____

BIO 201W _____ BIO 415W _____

Biology distribution/elective courses (20 credits):

Six electives are required (Bio-415W, which is required for certification as noted above, counts as one, leaving five more)

Molecular/Cellular (at least two): Bio 220, Bio 225, Bio 306, Bio 328, Bio 333, Bio 345, Bio 346, Bio 351, Bio 425W, Bio 426W, Bio 428W, Bio 429W, Bio 431W, Bio 433W, Bio 435W, Bio 444, Bio 449W, Bio 459W **or** BCMB 351

Animal Biology (at least one--may also count in another category): Bio 305, Bio 306, Bio 325, Bio 365, Bio 442W

Population/Ecology (at least two): Bio 234, Bio 310, Bio 320, Bio 324, Bio 330, Bio 334, Bio 336, Bio 415W **or** Bio 455W

Four-credit research and internships can also be used to fulfill up to two of the six electives

BIO _____ BIO _____

Major Capstone: fulfilled by Bio 415W

Chemistry, two options (8 credits):

CHEM 107 _____ CHEM 107LQ _____ **and**

CHEM 108 _____ CHEM 108 L _____

OR

CHEM 151 _____ CHEM 151LQ _____ **and**

CHEM 207 _____ CHEM 207L _____

Math, two of the following (8 credits):

MATH 111 or 112, STAT 141Q, 242, STAT 243W, & CS 173

MATH/STAT/CS _____ MATH/STAT/CS _____

Other Required Ancillary for Certification (8 credits)

ENV/GEOL 102Q **OR** 105Q _____

PHYS 111Q _____ (a full year of physics is recommended)

PA teacher certification requirements

(38 credits including EDUC-453 student teaching, 12 cr.)

EDUC 100 _____ 265 _____ 320 _____ 350W _____

EDUC 360 _____ 375 _____ 443 _____ 453 _____ 454 _____

Additional Requirements

Basic Skills exams: PAPA or CORE or SAT/ACT _____

Praxis II content exam: _____

3.0 GPA overall and in **EDUC** courses; **2.50 in biology major**

Major department recommendation

Semester as a departmental assistant recommended