

CELL AND MOLECULAR BIOLOGY/BIOTECHNOLOGY TRACK CHECKLIST

NAME: _____ ID: _____ DATE: _____

GENERAL EDUCATION REQUIREMENTS**GROUP I – English & Literature – 2 Courses**

- A. English 103 (Grade of “C” or better) OR Honors 111 (if in Honor’s Program) 4 _____
- B. Literature (in either English or Modern Languages) 4 _____

GROUP II: History – 2 Courses

- A. History 101, 102 or 103 4 _____
- B. History 101, 102, 103 or a History Course above 103 4 _____

GROUP III: Humanities and Social Sciences – 3 Courses From 3 Different Areas**A. Select one course from one of the following six areas:**

Art, Communications, Dance OR Theater Arts, Modern Languages, Music, Philosophy. (HONR 211 if in Honors Program)

_____ 3/4 _____

B. Select one course from of the following six areas:

Anthropology, Conflict Analysis and Dispute Resolution OR Sociology, Economics, **Human** Geography, Political Science, Psychology. (HONR 112 if in Honors Program)

_____ 3/4 _____

C. Select one course from either Group III A or IIIB (course may not be from the same area selected for IIIA or IIIB)

_____ 3/4 _____

GROUP IV: Natural Science, Math and Computer Science – 4 Courses**A. Select courses with laboratories from at least two of the following four areas (totaling at least six credit hours):** Biology, Chemistry, Geology or **Physical** Geography, Physics

_____ 4 _____

_____ 4 _____

B. Select one additional course (need not include a lab from Group IVA or Computer Science or Mathematics (totaling at least 3 credit hours): Biology, Chemistry, Environmental Health Science, Geology or Physical Geography, Physics, Computer Science, Mathematics, HONR 212 (If in Honors Program)

_____ 3/4 _____

C. Select one math course for a total of three credit hours

_____ 3 _____

GROUP V: Health Fitness – 1 Course

Complete PHEC 106 Personalized Hlth/Fitness 3 _____

BIOLOGY REQUIREMENTS (A minimum of 40 credit hours of Biology with a GPA of 2.0 and at least 20 credit hours at the 300/400 level.)**BIOLOGY CORE REQUIREMENTS**

*BIOL 210 BIOLOGY: CONCEPTS & METHODS 4 _____

* Two of the following –

BIOL 211 MICROBIOLOGY 4 _____

BIOL 212 INTRO TO PLANT BIOL. 4 _____

BIOL 213 ZOOLOGY 4 _____

BIOL 350 CELL BIOLOGY 4 _____

BIOL 370 MOLECULAR GENETICS 4 _____

BIOL 418 SEMINAR 1 _____

*(“C” or better before enrolling in courses for which they are a prerequisite and as a requirement for graduation.)

CELL/MOLECULAR BIOL. Track Requirements

16 Credits of the following:

BIOL 211 Microbiology (If not selected above) 4 _____

BIOL 323 Medical Microbiology 4 _____

BIOL 333 Immunology 4 _____

BIOL 360 Genetic Analysis 4 _____

BIOL 422 Vertebrate Physiology 4 _____

BIOL 430 Plant Physiology 4 _____

BIOL 433 Environmental Microbiology 4 _____

BIOL 440 Contemporary Genetics 3 _____

BIOL 445 Virology 3 _____

BIOL 460 Biology of Cell Membranes 3 _____

OTHER BIOLOGY COURSES

(3 additional credit hours in Biology. APPROVED courses INCLUDE BIOL 115 and Biology courses at the 200, 300 and/or 400 level EXCEPT 214, 217, 219, 416, 419 or 450 and INCLUDE ENVH 210, 301 and 302).

_____ _____ _____

_____ _____ _____

_____ _____ _____

REQUIRED COURSES IN RELATED SCIENCES

CHEMISTRY 121 4 _____

CHEMISTRY 122 4 _____

CHEMISTRY 221 4 _____

CHEMISTRY 222 4 _____

CHEMISTRY 417 4 _____

MATH 155, OR 160, OR 201 3 _____

GEOG 105 OR GEOL 103 OR PHYS 121 OR 4 _____

PHYS 221

30 HOUR OF 300/400 LEVEL WORK WITH A GRADE OF “C” OR BETTER REQUIRED FOR GRADUATION. ALL STUDENTS MUST COMPLETE 120 CREDITS FOR GRADUATION.

SEE YOUR DEPARTMENT FOR SPECIFIC ADVISORY INFORMATION. REVISED: February 11, 2008

