Curriculum Plan for		Date
BIOLOGY	MAJOR WITH EMPHASIS IN MICROBIOLOGY	
Supporting Courses, 28-29 credits	Upper-Level Courses, 34-38 credits	
□ BIOLOGY 201 Principles of Biology: Cellular & Molecular Processes, 3 cr (F,S) & BIOLOGY 202 Principles of Biology Lab: Cellular and Molecular Processes, 1 cr. (F,S) □ BIOLOGY 203 Principles of Biology: Organisms, Ecology & Evolution, 3 cr (F,S) WE & BIOLOGY 204 Principles of Biology Lab: Organisms, Ecology, and Evolution, 1 cr (F,S) WE □ CHEM 211 Principles of Chemistry I, 4 cr (F,S) & CHEM 213 Principles of Chemistry I Lab, 1 cr (F,S) □ CHEM 212 Principles of Chemistry II, 4 cr (F,S) & CHEM 214 Principles of Chemistry III Lab, 1 cr (F,S) □ MATH 260 Introductory Statistics, 4 cr (F,S) □ MATH 104 Elementary Functions: Algebra & Trigonometry, 4 cr (F,S) □ MATH 201 Calculus for the Management & Social Sciences, 3 cr (F,S) □ MATH 202 Calculus & Analytic Geometry I, 4 cr (F,S) □ Writing, choose one of these: □ ENG COMP 105 Expository Writing, 3 cr (F,S) □ INFO SCI 390 Technical Writing, 3 cr WE	Required courses, minimum of 13 credits BIOLOGY 303 Genetics, 3 cr (F,S) BIOLOGY 309 Evolutionary Biology, 3 cr (F,S) BIOLOGY 302 Principles of Ecology, 4 cr (F,S) WE BIOLOGY 402 Advanced Microbiology, 4 cr (SE) WE BIOLOGY 302 Principles of Microbiology, 4 cr (F,S) Or BIO 322 Environmental Microbiology, 4 cr (F) BIOLOGY 311 Plant Physiology, 4 cr (F) WE Or BIOLOGY 346 Comparative Physiology, 3 cr (S) BIOLOGY 407 Molecular Biology, 3 cr (S) Choose one of the following groups, minimum of eight credits: CHEM 300 Bio-organic Chemistry, 3 cr (S) & CHEM 301 Bio-organic Chemistry Lab, 1 cr (S) CHEM 330 Biochemistry, 3 cr (FO) & CHEM 331 Biochemistry Lab, 1 cr (F,S) Or CHEM 302 Organic Chemistry II, 3 cr (F,S) & CHEM 304 Organic Chemistry I Lab, 1 cr (F,S) CHEM 305 Organic Chemistry II, 3 cr (F,S) & CHEM 305 Organic Chemistry II Lab, 1 cr (F,S) CHEM 305 Organic Chemistry II Lab, 1 cr (F,S) CHEM 306 Biochemistry, 3 cr (FO) & CHEM 331 Biochemistry Lab, 1 cr (F,S)	Choose a minimum of 8 credits from: BIOLOGY 307 Cell Biology, 3 cr (F,S) WE BIOLOGY 308 Cell Biology Lab, 1 cr (F,S) WE BIOLOGY 312 Mycology, 4 cr (FO) BIOLOGY 407 Molecular Biology, 3 cr (SO) BIOLOGY 408 Molecular Biology Lab, 1 cr (S) BIOLOGY 497 Internship, 1-12 cr (F,S) HUM BIOL 422 Immunology, 3 cr (SO) WE HUM BIOL 423 Immunology Lab, 1 cr (SO) Seminar, one credit required: BIOLOGY 490 Biology Seminar, 1 cr (F,S)
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