Core Requirements for All Biology Majors
FROM: Page 91 of the 2015-16 Undergraduate Catalog
TO: Ecology and Environmental Biology Emphasis (Code 080-001); Microbiology Emphasis (Code 080-002); Biology, Liberal Arts (Code 080-203); Biology, Teaching (Code 080-205).
Biol 221 Foundations of Biology I
Biol 222 Foundations of Biology II
Biol 223 Foundations of Biological Inquiry

MAJOR: BIOLOGY, Liberal Arts (Code 080-203)
FROM: Page 92 of the 2015-16 Undergraduate Catalog
TO: 1. Core Requirements for all majors, as listed above.
   2. Biology 323
   3. Biology 335
   4. Minimum of two upper division lab courses selected from the following list:
      Biol 311 – Entomology
      Biol 314 – Human Anatomy and Physiology II
      Biol 317 – Animal Physiology
      Biol 318 – Plant Form and Function
      Biol 319 – Animal Form and Function
      Biol 322 – Plant Anatomy
      Biol 324 – Genetics Laboratory
      Biol 325 – Plant Systematics
      Biol 328 – Conservation Biology
      Biol 330 – Population and Community Ecology
      Biol 331 – Trees and Shrubs
      Biol 332 – Field Botany
      Biol 333 – Plant Physiology
      Biol 336 – Terrestrial Ecology
      Biol 338 – Vegetation Ecology
      Biol 339 – Physiological Ecology
      Biol 340 - Ornithology
      Biol 345 – Invertebrate Zoology
      Biol 351 – Systems Neuroscience Lab
      Biol 356 – Wisconsin Wildlife
      Biol 361 – Biology of Microorganisms
      Biol 362 – Field Zoology
      Biol 365 – Animal Behavior
      Biol 376 – Aquatic Ecology
      Biol 379 – Ichthyology
      Biol 380 – Endocrinology
      Biol 386 – Biology Research Methods
      Biol 405 – Advanced Cell and Molecular Lab
      Biol 423 – Collaborative Research in Biology
      Biol 460 – Developmental Biology
      Biol 470 – Neurobiology
   5. Additional biology courses not specifically excluded from the biology major to complete the 36 credit total in biology.
   6. In addition to the 36 credits in biology, students who pursue the Liberal Arts Major in Biology must complete Math 114 Calculus I, and Chem 103 and 104 or Chem 115.
NOTE: DELETE.

COMPREHENSIVE MAJOR: BIOLOGY, Liberal Arts Microbiology Emphasis (Code 080-002)
FROM: Page 91 of the 2015-16 Undergraduate Catalog
TO: This emphasis differs from the Biochemistry/Molecular Biology comprehensive major in that it provides more in-depth exposure to topics in microbiology including virology, immunology, and bacteriology. It is excellent preparation for careers in health science, industry, and for graduate training in microbiology and related fields. Requires completion of the core, the required credits as listed below, and biology electives to total at least 60 credits.
**Required Courses**
Biol 305 Molecular Cell Biology  
Biol 323 Genetics  
Biol 324 Genetics Laboratory  
Biol 361 Biology of Microorganisms  
Biol 402 Current Topics in Virology and Immunology  
Chem 325 Organic Chemistry I with Laboratory  
Chem 326 Organic Chemistry II with Laboratory  
Chem 352 Fundamentals of Biochemistry

**Elective Courses**
At least two courses from the following:
Biol 306 Infectious Disease Ecology  
Biol 353 Biotechnology  
Biol 371 Medical Mycology  
Biol 405 Advanced Cell and Molecular Lab  
Biol 409 Molecular Genetics  
Enph 450 Epidemiology

**MAJOR: PSYCHOLOGY, Liberal Arts (Code 440-201)**

**FROM:** Page 190 of the 2015-16 Undergraduate Catalog  
**TO:** Add MATH 246 (Elementary Statistics) as an option so that student can take MATH 246 or PSYC 265 (Statistical Methods in Psychology I) to satisfy the Psychology statistics requirement.

**MAJOR: PSYCHOLOGY, Behavior Analysis, Liberal Arts (Code 440-202)**

**FROM:** Page 191 of the 2015-16 Undergraduate Catalog  
**TO:** Add MATH 246 (Elementary Statistics) as an option so that students can take MATH 246 or PSYC 265 (Statistical Methods in Psychology I) to satisfy the Psychology statistics requirement.  
Delete PSYC 400, 401, and 481 from the list of required courses.  
Note: Nine credits required in PSYC 480.
Add:  
3 credits from one of the following, or a different upper-division Psychology course with department permission:  
Psyc 302 Principles of Learning or  
Psyc 377 Psychopharmacology or  
Complete a Student Academic or Research Apprenticeship in the area of Behavior Analysis

**Remaining credits to total 36 selected from any Psychology courses.**  
**NOTE 1:** No credit may be earned toward completion of the major under the Satisfactory/Unsatisfactory option.  
**NOTE 2:** Enrollment in Psyc 480 will be 3-6 credits per term depending on the Internship.

**MINOR: PSYCHOLOGY, Liberal Arts (Code 440-401)**

**FROM:** Page 191 of the 2015-16 Undergraduate Catalog  
**TO:** Add MATH 246 (Elementary Statistics) as an option so that student can take MATH 246 or PSYC 265 (Statistical Methods in Psychology I) to satisfy the Psychology statistics requirement.

**Teaching English as a Foreign Language Certificate (Code 550-601)**

**FROM:** Pages 73-74 of the 2015-16 Undergraduate Catalog  
**TO:** The Teaching English as a Foreign Language (TEFL) Certificate (Code 550-601) is a minimum of 14 credits of coursework designed to provide the basics for future EFL teachers plus a required teaching experience either through ES 408 or by taking FLG 375.

**Required courses:**
CDS 262 Phonetics: Theory and Practice  
Engl 221 Introductory English Linguistics  
FLG 378 Second Language Acquisition  
ES 284 Working with Individuals with Linguistic and Cultural Diversity in an Academic and Professional Setting  
ES 408 Methods of Teaching Content-Based ESL or  
FLG 375 Internship Experience Abroad

**NOTE 1:** Students must also complete either a practicum experience tied to ES 408 or take FLG 375 for 3 credits.  
**NOTE 2:** Courses cannot be counted in both the major and the certificate program.  
For advising, see Department of Languages.