Genetics Undergraduate Program – Catalog 2015-2016
Degree: BS, Genetics, College of Liberal Arts and Sciences

I. University Requirements (13 credits)
   _____ ENGL 150 (3) & ENGL 250 (3)
   _____ LIB 160 (1)
   _____ Three credits International Perspectives*
   _____ Three credits US Diversity*
   * These may dual count for college requirements

II. LAS College Requirements
   _____ Three years of 1 foreign language in high school or 4-8 credits
   _____ 12 credits in Humanities including
   Bridge
   _____ 9 credits in Social Sciences

III. Advanced English Writing
   _____ One of ENGL 302 – 316 (3) or
   JLMC 347 (3)

IV. Mathematical Sciences (11-12 credits)
   _____ STAT 101(4) or STAT 104 (3)
   _____ MATH 160 (4), MATH 165 (4), or
   MATH 181 (4)
   _____ one of STAT 301 (4), STAT 401 (4),
   MATH 166 (4) or MATH 182 (4)

V. Physical and Chemical Sciences
   General Chemistry (9 credits)
   _____ CHEM 177 (4) & CHEM 177L (1)
   _____ CHEM 178 (3) & CHEM 178L (1)
   Organic Chemistry (8 credits)
   _____ CHEM 331 (3) & CHEM 331L (1)
   _____ CHEM 332 (3) & CHEM 332L (1)
   Biochemistry (6 - 7 credits)
   _____ BBMB 404 (3) or BBMB 420 (3)
   _____ BBMB 405 (3) (not with 420) or
   BBMB 411 (3) or CHEM 211 &
   211L (4) or CHEM 325 (3)
   Physics (10 credits)
   _____ PHYS 111 (5) or PHYS 221 (5)
   _____ PHYS 112 (5) or PHYS 222 (5)

VI. Biological Sciences Core (19 credits, min C-)
   _____ GEN 110 (1) fall only
   _____ BIOL 211(3) & BIOL 211L (1)
   _____ BIOL 212 (3) & BIOL 212L (1)
   _____ GEN/BIOL 313 (3) & GEN/BIOL 313L (1)
   _____ BIOL 314 (3)
   _____ BIOL 315 (3)

VII. Genetics Core & Advanced Science Electives
     (19 credits, min C-)
     _____ GEN 409 (3) fall only
     _____ GEN 410 (3) spring only
     _____ GEN 462 (3) fall only or EEOB 563 (3) spring
     _____ GEN 491 (1)
     _____ MICRO 302 (3)
     Advanced Science Electives (6 credits total)
     These cannot be used elsewhere in the major
     _____ One of AGRON/HORT 421 or ANS 352
     _____ ANS 331, 332, 333, 345
     _____ ANTHR 307, 319, 424
     _____ BBMB numbered 400 or above
     _____ BIOL numbered 300 or above, except 307,
     355, 356, 366, 393A , 393B, 491, 495, 498
     _____ CHEM 211 &211L, CHEM numbered 300 or
     above
     _____ EEOB 562, 563, 566, 567
     _____ GEN 340 (3), 444 (3), 490/499 (1-6 cr)
     _____ GDCB except 508, 511
     _____ MICRO numbered 300 or above
     _____ PHYS 461
     _____ PSYCH 310
     _____ STAT 301, 401, 402, 403

VIII. Electives (Additional Courses to obtain 120 credits) 0 - 6 credits
     The number of elective credits varies depending on course
     selections including courses that dual count.

This is an unofficial checklist for the Genetics Major
developed to assist in planning your courses. Your degree
audit remains the official record of the requirements.
For additional information see your Academic Advisor.

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