Checklist for BA in Biology with TOPICAL FOCUS option (Effective Spring 2020)

Name:

UKCore Requirements

Inquiry Arts and Creativity Course (3 credits) ________
Inquiry Social Sciences Course (3 credits) ________
Inquiry Humanities Course (3 credits) ________
Inquiry NPMS – SATISIFIED BY MAJOR
WRD 110 or CIS 110 (3 credits) ________
WRD 111 or CIS 111 (3 credits) ________
QF – SATISIFIED BY MAJOR
SIR – SATISIFIED BY MAJOR
Community, Culture, & Citizenship (3 credits) ________
Global Dynamics (3 credits) ________

College Requirements

Two A&S Natural Sciences Courses – SATISIFIED BY MAJOR
Two A&S Social Sciences Courses ________ ________ (6)
Two A&S Humanities Courses ________ ________ (6)
A&S Lab Course – SATISIFIED BY MAJOR
Two A&S Electives ________ ________ (6)

Foreign Language – Complete 202 course of one language OR 2 semesters of one language and three semesters of a different language

______ ________ ________ OR

______ ________ *** ________ ________ ________

Pre-Major Requirements

Biology Coursework (7-8 credit hours):
- BIO 148: Introductory Biology I ________ (3)
- BIO 152: Principles of Biology II ________ (3)
- BIO 155: Introductory Biology I Lab OR BIO 198: Scholars Biology Research ________ (1-2)

Chemistry Coursework (10-14 credit hours):
- CHE 105: General College Chemistry I ________ (4)
- CHE 109: General Chemistry I AND CHE 110: General Chemistry II ________ and ________ (8)
- CHE 107: General College Chemistry II ________ (3)
- CHE 111: General Chemistry Lab I ________ (1)
- CHE 113: General Chemistry Lab II ________ (2)

Mathematics Coursework (4 credit hours)
- MA 113 OR MA 137: Calculus I OR MA 123: Elementary Calculus and its Applications ________ (4)

Major Requirements (54 credit hours)

1st Tier Core (8 credit hours):
- BIO 303: Intro to Evolution ________ (4)
- BIO 304: Principles of Genetics ________ (4)
2nd Tier Core (8 credit hours):
   Two courses from the following:
   BIO 315: Intro to Cell Biology ______ (4)
   BIO 325: Ecology ________ (4)
   BIO 350: Animal Physiology OR BIO 430G: Plant Physiology ________ (4)

2nd Tier Statistics (3 credit hours):
   STA 296: Statistical Methods and Motivations ________ (3)

2nd Tier Seminar (1 credit hour):
   BIO 425: Biology Seminar ________ (1)

Courses Outside Major Department (7-9 credit hours):
   CHE 231: Organic Chemistry Lab I ________ (1)
   PHY 211: General Physics OR PHY 151: Intro to Physics ________ (3 or 5)

Graduation Composition and Communication Requirement (GCCR):
   Oral Component: SATISFIED BY MAJOR
   *Written Component: BIO 398 OR BIO 404 OR BIO 405 OR BIO 418 OR BIO 430G OR BIO 445 OR WRD 305 OR WRD 310 ________ (1-4)

Complete the Topical Focus Option – (this section to include 25-27 credit hours)
Note: Fourteen of these hours must be at the 300-level or above.

Complete a 12 credit hour sequence of courses with a topical focus. At least 6 of these hours must be at the 300-level or above.

__________ ________ ________ ________ (12)

Students who have multiple interests, or interests that do not fall into the requirements for a minor offered at the University of Kentucky, may select a 12 hour credit hour sequence of courses with a topical focus. Courses in several disciplines and in the various interdisciplinary programs may be combined to pursue the topical focus. **Students interested in pursuing Option B MUST have the 12 credit hour sequence of courses APPROVED IN ADVANCE by the Director of Undergraduate Studies, Department of Biology**

Approval of Topical Focus Form submitted: ________ Date

Biology electives to bring the total in this category to 25-27 credit hours (depends on PHY course taken).

| (9 hours of BIO Prefix Courses) | ________ ________ ________ ________ (13-15)*

A total of 6 hours of independent research from life sciences departments (395) may be counted in this category. **A minimum of 9 credit hours of electives must come from 300-level+ courses with the “BIO” prefix.**

(* GCCR written component can fulfill 1-4 major elective credit hours)

Must have a minimum of an overall GPA of 2.0 AND a 2.0 GPA in the major YES / NO
120 hours required for graduation – requirement met YES / NO
**At least 39 credits must be at the 300-level or above** – Requirement met YES / NO