

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

Name: _____

UKCore Requirements

Inquiry Arts and Creativity Course (3 credits) _____

Inquiry Humanities Course (3 credits) _____

Inquiry Social Sciences Course (3 credits) _____

Inquiry NPMS – SATISFIED BY MAJOR

WRD 110 or CIS 110 (3 credits) _____

WRD 111 or CIS 111 (3 credits) _____

QF – SATISFIED BY MAJOR

SIR – SATISFIED BY MAJOR

Community, Culture, & Citizenship (3 credits) _____

Global Dynamics (3 credits) _____

College Requirements

Two A&S Natural Sciences Courses – SATISFIED BY MAJOR

Two A&S Social Sciences Courses _____ (6)

Two A&S Humanities Courses _____ (6)

A&S Lab Course – SATISFIED 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)

OR 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 230: Organic Chemistry I **OR** CHE 236: Survey of Organic Chemistry _____ (3)

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 (GCCCR):

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).

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

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.

(* GCCCR 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