

Checklist for BS in Biology (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

A&S Natural Sciences Course – SATISFIED BY MAJOR

A&S Social Sciences Course (3 credit hours) _____

A&S Humanities Course (3 credit hours) _____

A&S Lab Course – SATISFIED BY MAJOR

A&S Electives (6 credit hours) _____

Foreign Language – Complete 202 course of one language OR complete two 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: Lab for Introductory Biology I **OR** BIO 198: Scholars Biology Research _____ (1-2)

Mathematics Coursework (8 credit hours):

MA 113 **OR** MA 137: Calculus I _____ (4)

MA 114 **OR** MA 138: Calculus II _____ (4)

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 111: General Chemistry Lab I _____ (1)

CHE 107: General College Chemistry II _____ (3)

CHE 113: General Chemistry Lab II _____ (2)

Major Requirements (56 credit hours)

1st Tier Core (8 credit hours):

BIO 303: Intro to Evolution _____ (4)

BIO 304: Principles of Genetics _____ (4)

2nd Tier Core (12 credit hours):

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 (17 credit hours):

CHE 230: Organic Chemistry I _____ (3)

CHE 231: Organic Chemistry I Lab _____ (1)

CHE 232: Organic Chemistry II _____ (3)

PHY 211: General Physics I _____ (5)

PHY 213: General Physics II _____ (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)

15 credit hours of acceptable biology electives at or above the 300-level (see list in myGPS). No more than 6 hours of independent research from life sciences departments (394, 395, 397, 398) may be counted within the 15 hour requirement. At least 9 of the 15 credit hours must come from courses with the “BIO” prefix.

_____ (15)*
| (9 hours of BIO prefix courses) |

(* 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 24 credits must be at the 300-level or above – Requirement met YES / NO

At least 60 credit hours of biological/chemical/physical/mathematical science courses – Requirement met YES / NO