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 – SATISIFED BY MAJOR

WRD 110 or CIS 110 (3 credits) _______    WRD 111 or CIS 111 (3 credits) _______

QF – 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 (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)

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.

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<th>(9 hours of BIO prefix courses)</th>
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(* 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 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