

CHECKLIST FOR GRADUATION REQUIREMENTS IN BIOLOGY - BACHELOR OF ARTS
Minimum of 132 s.h. required for graduation (36 s.h. must be 300/400-level courses)
(Additional hours to total 132 s.h. -- includes second major, minor, and elective hours.)

Name _____ I.D. # _____ H.S. deficiencies: Math _____ Foreign Language _____

General Studies Requirements

(General Studies must total at least 58 s.h.)

FIRST-YEAR CORE:

GST 110 - Global Experience (4 s.h.) _____

ENG 110 - College Writing (4 s.h.) _____
 (C- or better required for graduation)

MTH 112 or 121 (4 s.h.) *MTH 112 _____

HED 111 - Contemp. Wellness Issues (2 s.h.) _____

Experiential Learning Requirement (ELR): (One Unit)

[May be met by any one of the following:
 internship, practicum, co-op, study abroad, student teaching,
 or an approved field-based course. Also may be met by
 service, leadership, or individualized learning experience.]

Foreign Language Requirement:

Students must meet one of the following: placing beyond FL 122 on the CAPE placement test, completing a 122-level language course, completing a semester or summer in a university approved program in a non-English speaking country with language study at the 122-level or above, scoring 4 or 5 on an Advanced Placement language exam or similar exam.

STUDIES IN THE ARTS AND SCIENCES:

[**Transfer students** with at least 18 s.h. of transfer credit must complete 32 hours total in Studies in the Arts & Sciences, but may have as few as 7 hours in one or more of the four Studies in the Arts & Sciences areas.]

Expression _____ (8 s.h.) _____

[Eight hours chosen from at least two of the following:
 literature (in English or foreign languages), philosophy, & fine arts
 (art, dance, fine arts, music, music theater, and theater arts).
 At least one course must be literature.]

Civilization _____ (8 s.h.) _____

[Eight hours chosen from at least two of the following:
 history, foreign languages, and religion. Students taking foreign
 language courses to meet Elon's proficiency requirement may only
 apply 4 s.h. of that coursework toward Civilization.]

Society _____ (8 s.h.) _____

[Eight hours chosen from at least two of the following:
 economics, geography, political science, psychology, and sociology.]

Science *BIO 111/113 (Lab: _____) *BIO 112/114 (8 s.h.) _____

[Eight hours chosen from one or more of the following:
 mathematics, science, and computer science (*must have the CSC
 department designation*). At least one course must be a physical or
 biological laboratory science.]

ADVANCED STUDIES (Must be outside major.)

_____ (8 s.h.) _____

[Eight hours of 300-400 level courses outside the major field chosen
 from departments and areas listed under Studies in the Arts and
 Sciences.]

GST Interdisciplinary Seminar _____ (4 s.h.) _____

[300-400 level GST course; requires junior/senior status.]

***Required in major; may count in General Studies.**

Major Requirements

A minimum of 48-52 s.h. in the following courses is required.

_____ *BIO 111 (3) - Introductory Cell Bio

_____ *BIO 113 (1) - Cell Biology Lab

_____ *BIO 112 (3) - Introductory Population Bio

_____ *BIO 114 (1) - Population Biology Lab

_____ BIO 221 (4) - General Zoology

_____ BIO 222 (4) - General Botany

_____ BIO 261 (2) - Introductory Seminar

_____ BIO 322 (4) - Molecular and Cellular Biology
 (Junior standing or instructor consent)

Choose one course (4 s.h.) from Organismal Category:

BIO 316 (4) - Developmental Biology

BIO 318 (4) - Comp. Vertebrate Structure & Function

BIO 321 (4) - Microbiology

BIO 325 (4) - Human Histology

BIO 342 (4) - Plant Physiology

BIO 343 (4) - Clinical Anatomy

Choose one course (4 s.h.) from Supraorganismal Category

BIO 335 (4) - Field Biology

BIO 344 (4) - Evolution

BIO 442 (4) - Aquatic Biology

BIO 452 (4) - General Ecology

Choose 8 s.h. of BIO electives selected from:

-Organismal Biology category

-Supraorganismal Biology category

-Molecular/Cellular Biology category

(BIO 345 - Genetics, BIO 348 - Biotechnology,
 BIO 351/352 - Biochemistry)

-May include maximum of two 2-semester hour special
 topics seminars.

_____ BIO 462 (2) - Senior Seminar

_____ CHM 111 (3) - General Chemistry I

_____ CHM 113 (1) - General Chemistry I Lab

_____ CHM 112 (3) - General Chemistry II

_____ CHM 114 (1) - General Chemistry II Lab

-OR- (in lieu of CHM 111, 113, 112, 114)

_____ CHM 115 (3) - Advanced General Chemistry

_____ CHM 116 (1) - Advanced General Chemistry Lab

_____ *MTH 112 (4) - General Statistics

_____ A required experiential component selected from:

(a) internship

(b) research

(c) approved lab assistantship

_____ Major Total (s.h.)