

2012-13 CHECKLIST FOR GRADUATION REQUIREMENTS IN ENVIRONMENTAL & ECOLOGICAL SCIENCE
BACHELOR OF SCIENCE

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.# _____

General Studies Requirements (58-62 sh)

FIRST-YEAR CORE:

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

ENG 110 - Writing: Argument & Inquiry (4 s.h.) _____
(C- or better required for graduation)

MTH 112 or 121 or 212 (4 s.h.) *MTH/STC 212 _____

HED 111 - Contemporary Wellness (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, approved field-based course or documented service, leadership, or individualized learning experience.

Foreign Language Requirement:

Students must meet one of the following: (a) complete a language course numbered 122 or higher at Elon, or receive transfer or study abroad credit for the same; (b) place into a language course numbered 200 or above upon arriving at Elon, using a department of foreign languages approved placement instrument; (c) score a 4 or 5 on an AP language exam or similar exam. Each student must take the language placement test by October 1 of his or her first full year at Elon. Students are allowed two tries; the higher score is counted. That score stands and may not be repeated by later testing.

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, art history, dance, fine arts, music, music theatre, & theatre). 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 religious studies.]

Society * _____ (8 s.h.) _____

[Eight hours chosen from at least two of the following: economics, geography, human service studies, political science, psychology, & sociology/anthropology.]

Science *CHM 111 _____ (Lab: _____) *ENS 111/113 _____ (8 s.h.) _____

[Eight hours chosen from one or more of the following: mathematics, science, and computer science (*CSC 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 coursework outside the major field and chosen from areas 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

Major Requirements

A minimum of 62 s.h. in the following courses is required.

Core Requirements (30 s.h.):

_____ *ENS 111 (3) / 113 (1) - Intro to Environmental Science & lab

_____ BIO 212 (3) / 214 (1) - Intro to Population Biology & lab

_____ *CHM 111 (4) - General Chemistry I & lab

_____ CHM 112 (4) - General Chemistry II & lab

_____ ENS 200 (4) - Strategies for Environmental Inquiry

ENS/BIO 215 (4) - Diversity of Life w/ lab

-OR-

_____ BIO 131 (4) - Biodiversity

ENS 381 (2) - Internship

-OR-

_____ ENS 499 (2) - Research

_____ ENS 461 (4) - Seminar: Environmental Assessment and Project Development

Management, Design and Analysis

(8 s.h. with at least 4 s.h. from courses with a double asterisk):

ENS/GEO 250 (4) - Intro to GIS

ENS/GEO 340 (4) - Water Resources and Management

CHM 211 (4) - Organic Chemistry I and lab **

CHM 212 (4) - Organic Chemistry II and lab **

CHM 311 (4) - Quantitative Analysis and lab **

PHY 201 (4) - General Physics I **

-OR-

PHY 221 (4) - University Physics I **

PHY 202 (4) - General Physics II **

-OR-

PHY 222 (4) - University Physics II **

*STC 212 (4) - Statistics in Application **

STC 232 (4) - Statistical Modeling **

Social Sciences and Humanities (8 s.h.)

ART 339 (4) - Ecological Art

COM 331 (4) - Environmental Communications

ECO 335 (4) - Environ. Economics (prereq. ECO 111)

ENG 318 (4) - Writing Science

ENG 339 (4) - American Environmental Writers

ENS 110 (4) - Humans and Nature

PHL/REL 348 (4) - Environmental Ethics

POL 224 (4) - Environmental Policy and Law

POL 322 (4) - State Environmental Policy and Admin.

POL 344 (4) - International Environmental Policy

SOC 334 (4) - Environmental Sociology

- Major requirements continued on next page-

Environmental & Ecological Science (BS) – continued

Ecological Processes

(16 s.h. with no more than 4 s.h. of ENS 359)

- BIO 335 (4) – Field Biology
 - BIO 342 (4) – Aquatic Biology: Study of Inland Waters
 - BIO 350 (4) – General Ecology w/ lab
 - CHM 305 (4) – Environmental Chemistry w/ lab
 - ENS 320 (4) – Restoration Ecology w/ lab
 - ENS 330 (4) – Wildlife Ecology w/ lab
 - ENS/BIO 346 (4) – Wetlands Ecology and Management
 - ENS 359 (2) - Special Topics Seminar
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_____Major Total (s.h.)