2016-17  
CHECKLIST FOR GRADUATION REQUIREMENTS IN CHEMISTRY - 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. #_____________________

Elon Core Curriculum (56-60 sh)

FIRST-YEAR FOUNDATIONS:

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

MTH 110 or 151 or 220 (4 s.h.) *MTH 151

Experiential Learning Requirement (ELR – 2 units required):

Included in experiential learning are study abroad, research, service-learning,  
leadership, internships, (including co-ops, teaching, and practicum), or other  
courses or experiences with ELR designation

World 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 world 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. Consideration for Phi Beta Kappa membership  
requires completion of one intermediate world language course,  
placement beyond that level or equivalent proficiency.

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 world languages), philosophy, & fine arts (art, 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, world  
languages, art history 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, and public health studies 201 or 202.]

Science/Analysis *CHM 111 (Lab: ___) *CHM 112 (8 s.h.) ________

[Eight hours chosen from one or more of the following: mathematics/statistics, science, computer science and information  
science. 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.]

COR Interdisciplinary Capstone Seminar (4 s.h.) ________

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

A minimum of 65 s.h. in the following courses is required. This  
program is American Chemical Society certified.

_____ *CHM 111 (4) - General Chemistry I and Lab  
_____ *CHM 112 (4) - General Chemistry II and Lab  
_____ CHM 211 (4) - Organic Chemistry I and Lab  
_____ CHM 212 (4) - Organic Chemistry II and Lab  
_____ CHM 311 (4) - Quantitative Analysis  
_____ CHM 332 (4) - Physical Chemistry I  
_____ CHM 334 (4) - Physical Chemistry II  
_____ CHM 341 (4) - Inorganic Chemistry  
_____ CHM 351 (4) – Biochemistry  
_____ CHM 494 (3) - Senior Seminar in Chemistry  
_____ CHM 499 (2) - Chemistry Research\footnotesize \textsuperscript{1} \footnotesize \textsuperscript{2}

Choose 8 s.h. from the following:

CHM 305 (4) – Environmental Chemistry
CHM 321 (4) - Instrumental Analysis
CHM 353 (4) – Advanced Biochemistry

______________ (8 s.h.) ________

_____ *MTH 151 (4) - Calculus I  
_____ MTH 251 (4) - Calculus II

Select one of the following Physics sequences:

_____ PHY 201 (4) – General Physics I  
_____ PHY 202 (4) – General Physics II

-OR-

_____ PHY 221 (4) – University Physics I  
_____ PHY 222 (4) – University Physics II

_____ Major Total (s.h.)

\footnotesize \textsuperscript{1} ACS allows research via an REU or SURE as a valid research  
experience. If a student has a summer research experience, they may  
take an additional elective with a lab in place of the 2 sh of CHM  
499.

\footnotesize \textsuperscript{2} If a student has below a 3.0 average and cannot take research, these  
2 sh may be substituted with a course approved by the department  
chair. The degree will not be certified by ACS.