2014-15 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, 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, world 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/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.]

Major Requirements
A minimum of 65 s.h. in the following courses is required. This program is ACS 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 Research1, 2

Choose 8 s.h. from the following:
CHM 305 (4) – Environmental Chemistry
CHM 321 (4) - Instrumental Analysis
CHM 353 (4) – Advanced Biochemistry

_____ *MTH 151 (4) - Calculus I
_____ MTH 251 (4) - Calculus II
_____ PHY 221 (4) – University Physics I
_____ PHY 222 (4) – University Physics II

(PHY 201 and PHY 202 may be substituted for PHY 221/222)

_____ Major Total (s.h.)

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.
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.

*Required in major; may count in Elon Core Curriculum.