

ACS-Certified B.S. - CHEMISTRY
Course Checklist

NAME: _____

CHEMISTRY -- 48-51 SH

CORE CURRICULUM – 30 SH

GENERAL CHEMISTRY (8 hours)

CH 115/115R (3) _____
CH 116 (1) _____
CH 117/117R (3) _____
CH 118 (1) _____

ORGANIC CHEMISTRY (8 hours)

CH 235/235R (3) _____
CH 236 (1) _____
CH 237/237R (3) _____
CH 238 (1) _____

ANALYSIS TECHNIQUES AND INSTRUMENTAL ANALYSIS (8 hours)

CH 355/355L (4) _____
CH 450/450L (4) _____

CHEMICAL PERIODICITY AND TRANSITION METAL CHEMISTRY (7 hours)

CH 345/345L (4) _____
CH 440 (3) _____

THERMODYNAMICS/KINETICS (4 hours)

CH 325/325L (4) _____

STRUCTURE / BONDING / SPECT. (4 hours)

CH 326/326L (4) _____

BIOCHEMISTRY (3 hours)

CH 461 (3) _____

UNDERGRADUATE RESEARCH (6-9 hours)

CH 497 (3) _____
CH 497 (3) _____
CH 499 (3) (optional - Honors) _____

OTHER REQUIRED COURSES 19 SH

Physics (8 hours)

PH 201/201R/201L or 221/221R/221L (4) _____
PH 202/202R/202L or 222/222R/222L (4) _____

Mathematics, Calculus (8 hours)

MA 125 (4) _____
MA 126 (4) _____

Computing Fundamentals (3 hours)

CS 101/101L (3) _____

For a complete list of AGSC-approved core courses, see www.catalog.uab.edu.

Area I. English Composition (6 hours)

EH 101 (3) _____
EH 102 (3) _____

Area II. Humanities and Fine Arts (12 hours)

EH 216-224* (3) _____
Area II course (3) _____
Area II course (3) _____
ARH 101-204 or 206, MU 120, or (3) _____
THR 100, 105, or 200

Area IV. History, Social & Behav. Sci. (12 hours)

HY 101-121* (3) _____
Area IV course (3) _____
Area IV course (not HY) (3) _____
Area IV course (not HY) (3) _____

* Sequence in literature or history required

Additional school-wide requirement 3-4 SH

Complete one of the following two tracks:

Track A. Foreign language (except 101) or culture

-OR-

Track B. Critical reasoning/philosophy

(E.g., SPA 280 or PHL 116) _____

Electives –Add any additional courses needed to reach the minimum total required for graduation (120 SH) and/or to meet residency requirements.