

CHEMISTRY MAJOR CHECKLIST

PROFESSIONAL CONCENTRATION

General Studies Core

Area I – Written Composition (6 hrs)

EH 101 – English Comp I
EH 102 – English Comp II

Area II – Humanities/Fine Arts (12 hrs)

Literature – 6 hrs (choose any two)
EH 201, 202, 203, 204, 231, 232,
219, 220

Fine Arts – 3 hrs (select one)
ART 202, DR 242, MU 233, FL 101

EH 141 - Speech (3 hrs)

Area III – Natural Science/Math (11 hrs)

CY 105, 106, 107, 108 - Chemistry
MS 125 - Calculus

Area IV – History/Social/Behavioral (12 hrs)

History – Select one sequence – 6 hrs
HY 101 & 102 **OR** HY 201 & 202

Social/Behavioral – 6 hrs
AN 224, EC 221, EC 222, GY 120, GY 220,
PSC 100, PSY 201, PSY 222, SY 221

Area V – Support Courses (23 hours)

MS 126 – Calculus II
PHS 211, 213 – Physics/lab
PHS 212, 214 – Physics/lab
CS 201 – Computer Science
Electives – (9 hours)

Chemistry Core (20 hrs)

CY 105 & CY 107 - Gen Chemistry I/lab
CY 106 & CY 108 - Gen Chemistry II/lab
CY 231 - Organic Chemistry I
CY 232 - Organic Chemistry II
CY 321 - Quantitative Chemistry

Chemistry Concentration (18 hrs)

CY 341 with lab - Physical Chemistry I (4)
CY 342 with lab - Physical Chemistry II (4)
CY 411, 412 – Inorganic Chemistry (4)

<OR>

CY 362 with lab - Biochemistry (4)

AND

CY 421 with lab -Instrumental Analysis (5)

AND

CY 490 – Internship (1)

<OR>

CY 497 – Senior Research (1)

Total this concentration – 38 hrs