

08REVD

B.A. IN CHEMISTRY DEGREE REQUIREMENTS

THIS SHEET APPLIES Fall 2008

Additional information can be found at www.chem.wayne.edu. Direct questions to a chemistry advisor at chem@chem.wayne.edu (TRANSFER STUDENTS: You must earn a minimum of 15 chemistry credits at WSU. Check transferred chemistry courses with an advisor to prevent problems at graduation.)

NON-CHEMISTRY REQTS FOR B.A. CHEM MAJORS

FOREIGN LANGUAGE REQT:

ANY Foreign Language: 1010(4) 1020(4) 2010(4)

MATHEMATICS: 2010(4) 2020(4) 2030(4)

NOTE: A math placement exam is required prior to enrolling in MAT 2010. Contact the Testing Office (577-3400) for dates and arrangements.

PHYSICS: coreq Math 2020 2170(4) 2171(1) 2180(4) 2181(1)

UNIVERSITY GENERAL EDUCATION REQTS. & COLL OF SCIENCE GRP REQTS: see Univ. Advising.

See a Chemistry Advisor for more Information about the (ST) Science and Technology Requirement

CHEMISTRY COURSES [Terms in which courses are normally offered are indicated in brackets.]

GENERAL/ORGANIC CHEMISTRY including laboratory:

1220(4)/1230(1) or [1070(4) OR 1050(6) OR 1310(5) or 1410(6)]

1240(4)/1250(1) or [2240(4) OR 2310(4) OR 1410(6)]

2220(3)/2230(2) or [2260(4)/2270(2) OR 2320(4)/2270(2) OR 1420(6)]

GENERAL/ANALYTICAL CHEMISTRY: if you have taken 1080 but not 3120, please see an advisor

2280(3)/2290(2) OR [1080(5) AND 3120(4) OR 1320(5)]

BIOCHEMISTRY:

5600(3)[F,W]

INORGANIC CHEMISTRY:

3020(3)[W only]

PHYSICAL CHEMISTRY: 5400(4)[W only] (OR 5420(3) OR 5440(4))

Physical Lab: 5550(2)[F,W] "Coreq or Prereq: Chem 54X0"

ADV. CHEM. ELECTIVE: Complete one of the following courses or another advanced chemistry course with prior written approval by a chemistry department advisor.

5160(3)[F]; OR BOTH 5420(3)[F] (OR 5400(4)[W]) & 5440(4)[W]; OR 5510(2)[F]; OR 6620(3)[F]; OR 6640(3)[W]; OR 5020(3)[F] [NOTE: It is recommended that individuals who are considering the possibility of entering a graduate chemistry program or accepting an industrial position in chemistry should ALSO complete **CHM 5160** and BOTH 5420 & 5440. Such individuals may also wish to consider completing the additional requirements for obtaining "Certification by the American Chemical Society."]

ACS CERTIFICATION OPTION:

Individuals obtaining the B.A. degree with a major in chemistry may qualify for Certification by the American Chemical Society (the national professional society for chemists) by completing the following additional reqts: MAT 2250 or 2350 or 2150, CHM 5160, 5420, 5440; and two of the advanced laboratory courses: CHM 5510, 5570, 5999.

B.A. WITH HONORS

Students wishing to earn a B.A. degree in chemistry with Honors must see Dr. Kodanko (267 Chemistry).



Degree Requirements for BA in Chemistry at Wayne State University

Freshman Year

Fall Semester

<input type="checkbox"/> CHM 1220/1230 – (PS) General Chemistry I	Credits	5
<input type="checkbox"/> English 1020 – (BC) Introductory College Writing		4
<input type="checkbox"/> Mathematics 2010 – Calculus I		4
<input type="checkbox"/> Competency Requirement		3
Total:		16

Winter Semester

<input type="checkbox"/> CHM 1240/1250	Credits	5
<input type="checkbox"/> English 2XXX - (IC)		3
<input type="checkbox"/> Mathematics 2020 - Calculus II		4
<input type="checkbox"/> Competency Requirement		4
Total:		16

Sophomore Year

Fall Semester

<input type="checkbox"/> CHM 2220/2230 - Organic Chemistry II	Credits	5
<input type="checkbox"/> Physics 2170/2171 - (PS) General Physics I		5
<input type="checkbox"/> Mathematics 2030 - Calculus III		4
<input type="checkbox"/> Competency Requirement		3
Total:		17

Winter Semester

<input type="checkbox"/> CHM 2280/2290 - General Chemistry II/ Analytical	Credits	5
<input type="checkbox"/> Physics 2180/2181 - General Physics II		5
<input type="checkbox"/> Group Requirements		6
Total:		16

Junior Year

Fall Semester

<input type="checkbox"/> CHM 5600 - Survey of Biochemistry	Credits	3
<input type="checkbox"/> Language I		4
<input type="checkbox"/> Group Requirements		7
Total:		14

Winter Semester

<input type="checkbox"/> CHM 3020 - Intermediate Inorganic Chemistry I	Credits	3
<input type="checkbox"/> CHM 5400 (or 5420 or 5440) - Biological Physical Chemistry		3-4
<input type="checkbox"/> Group Requirement		4
<input type="checkbox"/> Language II		4
Total:		14-15

Senior Year

Fall Semester

<input type="checkbox"/> CHM Elective (or 5550)	Credits	2-4
<input type="checkbox"/> Language III		4
<input type="checkbox"/> Group Requirements		6
Total:		12-14

Winter Semester

<input type="checkbox"/> CHM 5550 (WI) (or CHM elective) - Physical Chemistry Lab	Credits	2-4
<input type="checkbox"/> Group Requirements		10
Total:		12-14