THIS SHEET APPLIES Fall 2016

Additional information can be found at www.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 REQUIREMENTS

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)

ALL students who transfer less than 10 hrs of physics should check with a chemistry advisor.

CHEMISTRY COURSES

GENERAL/ORGANIC CHEMISTRY:
□ 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(4)/2230(1) 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)[F only]

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.
□ 5020(3)[F]; or 5160(3)[F]; or 5440(4)[W]; or 5510(3)[F]; or 6070(3)[W]; or 6240(3)[W]; or 6270(3)[F]; or 6440(3)[I]; or 6620(3)[F]; or 6635(3)[W]; or 6640(3)[W]

[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 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. Linz (367 Chemistry).
### Degree Requirements for BA in Chemistry at Wayne State University

#### Freshman Year

**Fall Semester**
- CHM 1220/1230 - (PS) General Chemistry I 5 Credits
- English 1020 - (BC) Introductory College Writing 3 Credits
- Mathematics 2010 - Calculus I 4 Credits
- Competency Requirement 3 Credits

Total: 15 Credits

**Winter Semester**
- CHM 1240/1250 5 Credits
- Intermediate Composition (IC) 3 Credits
- Mathematics 2020 - Calculus II 4 Credits
- Competency Requirement 3 Credits

Total: 15 Credits

#### Junior Year

**Fall Semester**
- CHM 5600 - Survey of Biochemistry 3 Credits
- Physics 2180/2181 - General Physics II 5 Credits
- Language I 4 Credits
- Group Requirement 3 Credits

Total: 15 Credits

**Winter Semester**
- CHM 3020 - Intermediate Inorganic Chemistry I 3 Credits
- CHM 5400 (or 5420 in the fall) - Biological Physical Chemistry 4 Credits
- Group Requirement 4 Credits
- Language II 4 Credits

Total: 15 Credits

#### Sophomore Year

**Fall Semester**
- CHM 2220/2230 - Organic Chemistry II 5 Credits
- Mathematics 2030 - Calculus III 4 Credits
- Life Science Requirement (LS) 4 Credits
- Group Requirement 3 Credits

Total: 16 Credits

**Winter Semester**
- CHM 2280/2290 - General Chemistry II/ Analytical 5 Credits
- Physics 2170/2171 - (PS) General Physics I 5 Credits
- Group Requirements 7 Credits

Total: 17 Credits

#### Senior Year

**Fall Semester**
- CHM 5550 - (WI) Physical Chemistry Laboratory 2 Credits
- Language III 4 Credits
- Group Requirements 6 Credits
- Elective 3 Credits

Total: 15 Credits

**Winter Semester**
- CHM Elective (5000 Level) 3-4 Credits
- Electives 9 Credits

Total: 12-13 Credits

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All College of Liberal Arts and Science students must complete at least 15 credits in courses at 3000 level or above and maintain at least a 2.0 overall gpa. All Chemistry Majors must earn a grade of "C" or above in all chemistry prerequisite courses and the writing intensive course (CHM 5550). Chemistry Majors must also maintain at least a 2.0 chemistry gpa.