

# 18<sup>REVD</sup>



## B.A. IN CHEMISTRY DEGREE REQUIREMENTS

### THIS SHEET APPLIES FALL 2018

Additional information can be found at [www.chem.wayne.edu](http://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

**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 6060 (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 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. Fehl (469 Chemistry).