

18_{REVD}



B.S. IN BIOCHEMISTRY & CHEMICAL BIOLOGY DEGREE REQUIREMENTS

THIS SHEET APPLIES WINTER 2018

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

MATHEMATICS: 2010(4) 2020(4) 2210(4)

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

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

ALL students who transfer in less than 10 hrs of physics should check with Dr. Zibuck (101 Chemistry Bldg.)

CHEMISTRY & BIOLOGY COURSES

GENERAL/ORGANIC CHEMISTRY:

1220(4) or 1225(3)/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)]

INORGANIC CHEMISTRY: 3000(3)[F]

PHYSICAL CHEMISTRY: 5400(4)[W]

BIOCHEMISTRY: 6620(3)[F]

6640(3)[W] Prereq: 6620

6610(3)[W, F] Prereq: 6620 & Coreq: 6635 6635(3)[W] Prereq: 6620 & Coreq: 6610

BIOLOGY: 1510(4) 2200(5) (BIO 2600 and BIO 3070 are required prerequisites for some biology advanced electives.)

ADVANCED ELECTIVES: Students must complete three elective courses from **one** of the following options:

Bioorganic Option

CHM 5510 (3) [F]

CHM 6270 (3) [F]

CHM 6070 (3) [W]

Bioinorganic Option

CHM 6070 (3) [W]

CHM 5020 (3) [F]

CHM 6270 (3) [F]

Bioanalytical Option

CHM 5160 (3) [F]

CHM 5570 (3) [W]

CHM 6170 (3)

Health Science Option**

BIO 5280 (3) BIO 6160 (3) IM 7010 (2)

BIO 5330 (3) BIO 7011 (3) IM 7020 (2)

BIO 5640 (3) PHC 6500 (3) IM 7030 (2)

BIO 6000 (3) PHC 7010 (4)

BIO 6010 (3) PHC 7410 (3)

** Registration for non-chemistry electives require approval from the department that is offering the course. Students need to receive permission from a chemistry advisor prior to taking any 7000 level electives.

RESEARCH IN CHEMISTRY: 5999 (min. 2; max 4) or 5900 (2) [NOTE: Start Research Project no later (sooner the better) than the 1ST SEMESTER OF SENIOR YR.] To sign up for research e-mail Dr. Linz at tlinz@chem.wayne.edu to set up an advising appointment. You must file an Undergraduate Research Form and present a written report signed by the Chairman of the Department of Chemistry in order to obtain a final grade for your work. With prior approval, students may be allowed to substitute 2 credits of an internship experience (CHM 6991) in place of research.

B.S. WITH HONORS

Students wishing to earn a B.S. in Biochemistry & Chemical Biology degree with Honors must see Dr. Linz (367 Chemistry).