College of Liberal Arts and Sciences

Bachelor of Science in Biological Sciences Degree Requirements

Major Requirements

A minimum of 32 credits beyond BIO 1500 and BIO 1510 are required for Biology majors. Students must receive a grade of a “C-“ or better in all biology courses, except WI course needs to be a “C” or better. A grade point average of 2.0 (C) in both Biology and General Education courses are required for graduation. **Students are required to follow all pre-requisites and co-requisites listed for each Biology course.** Students who do not follow the listed pre-requisites or co-requisites may be dropped from courses. Please refer to the Biological Sciences Department Advisors and the Class Schedule for accurate listings of prerequisite requirements.

Biology Requirements

All Biological Sciences majors are required to complete the following courses:

- BIO 1500 (4) Basic Life Diversity
- BIO 1510 (4) Basic Life Mechanisms
- BIO 1520 (4) Introductory Microbiology
- BIO 2600 (3) Intro to Cell Biology
- BIO 3070 (4) Genetics
- BIO 4200 (3) Evolution

Students must choose one of the following course sequences:

*Additional courses from these sequences may be used as BIO electives*

- BIO 3100 (3) Cellular Biochemistry and BIO 4110 WI (4) Biomedical Tech. and Molecular Biology
- BIO 3200 (3) Human Physiology and BIO 4120 WI (4) Comparative Physiology
- BIO 3500 (3) Ecology and the Environment and BIO 4130 WI (4) General Ecology

BIO Electives (11 credits) 3000+ level*

*a minimum of two lecture based 3000 - 6000 level BIO elective courses must be used.

Chemistry Requirements

- CHM 1220 (4) General Chemistry I and CHM 1230 (1) General Chemistry I Laboratory
- CHM 1240 (4) Organic Chemistry I and CHM 1250 (1) Organic Chemistry I Laboratory
- CHM 2220 (3) Organic Chemistry II and CHM 2230 (2) Organic Chemistry II Laboratory

Physics Requirements

- PHY 2130 (4) General Physics and PHY 2131 (1) General Physics Lab
- PHY 2140 (4) General Physics and PHY 2141 (1) General Physics Lab

Mathematics/Statistics Requirements

- MAT 2010 (4) Calculus I
- MAT 2020 (4) Calculus II
- STA 1020 (3) Elementary Statistics or MAT 2210 (4) Probability and Statistics for Teachers

Student’s Responsibility

It is each student’s responsibility to learn the requirements, policies, and procedures governing the program they are following and to act accordingly. Students should consult the Biology Department Advisors regularly in order to verify that Biology requirements are being met in a timely fashion. Although the advisor will provide assistance, the responsibility for fulfilling degree requirements remains with the student.

If you have questions or concerns, please contact:

Main Office, 1360 Biological Sciences Building, 313-577-2873
Schedule an appointment @ www.wams.wayne.edu

Kimberly Hunter, kwalk@wayne.edu
Antoinette Cunningham, fy0926@wayne.edu
Rebecca Russell, rrussell@wayne.edu
Nora Alhusainy, nora.allhusainy@wayne.edu
Biological Sciences Webpage: http://clasweb.clas.wayne.edu/biology

Program Effective Fall 2011 term

Version 12_2015