About the major:
The Departments of Biology and Chemistry offer the BMB major in partnership. This 79 credit major requires a minimum of 35 credits in biology, 30 credits in chemistry, plus additional coursework in math and physics. It is an interdisciplinary major that involves the study of life processes at the molecular level. The major is designed to lead to entry-level jobs in research and development in industrial and government laboratories, as well as in the biotechnology industry. Students will be prepared to enter graduate studies in molecular biology, genetics, biochemistry and related fields, as well as for admission to professional schools in medicine, law, osteopathy and dentistry.

Required GE courses:
GE credits required for Categories IB and II are met with courses in the major and satisfy the College of Arts and Sciences BS degree requirements.

Category IA: ENGL 312 (Topics in Rhetoric & Science) recommended

Category IB:
MATH 114 (Calculus I) required
MATH 215 (Calculus II) recommended
A student who takes Math 215 should also consider taking the calculus-based physics sequence, Phys 231 and Phys 232 (instead of Phys 211 and 212).

Category II:
BIOL 221, 222 and 223, CHEM 115 (or CHEM 103/104), CHEM 213 or 325, PHYS 211 and 212 (or PHYS 231/232)

Categories III and IV: No specific requirements

These introductory courses do not count for the major:
BIOL 100 (General Biology)
BIOL 130 (Human Sexual Biology)
BIOL 151 (Biology of Humans)
BIOL 180 (Conservation of the Environment)
BIOL 195 (Plants and Society)
BIOL 196 (Human Nutrition)
BIOL 214 (Human Anat. & Physiology I)
CHEM 100 (Chemistry: Issues & Answers)
CHEM 150 (Survey of Biochemistry)

Information for exploring students:
BIOL 221 is a good exploratory course for the BMB major. In addition to being a good introduction to the topics that are explored in more detail throughout the major, the course can also work towards fulfilling GEII and can be counted towards all other biology majors.

Program Readiness:
• Students without a strong high school chemistry background may have more success with Chem 103 and 104 instead of Chem 115, but only 6 out of the 8 credits from these two courses will count toward a Chemistry major or minor.
• The best predictor for success in Chem 115 is the level of math skills that a student enters with. A student who tests into Math 114 and has a strong foundation in high school chemistry is likely ready to take Chem 115, whereas, as student testing into Math 109, will more likely have better success with taking Chem 103/104.
• Students with less math preparation may need to take Math 109 (Algebra for Calculus) and 113 (Trigonometry), or 112 (Precalculus Mathematics), to prepare for Math 114.

Contact information:
Dr. Warren Gallagher
wgallagh@uwec.edu
Phillips Hall 437
(715) 836-5388

Dr. Lloyd Turtinen
turtinen@uwec.edu
Phillips Hall 361
(715) 836-3506

UW-Eau Claire respects individual differences. This guide complements rather than substitutes for individual advising.

For instructions to declare this major:
www.uwec.edu/Registrar/student/chgofmajor/index.htm