Biochemistry and Molecular Biology

WELCOME
BMB MAJORS
Class of 2018
Overview

BMB major advising system
Review academic courses
Importance of Spire records
Where to go for help
WHO ARE MY ADVISORS?

Primary:
Valerie Miller
BMB Faculty Advisors for the Class of 2018

They are a resource for you for the next three years and beyond. Plan to meet with them at least once per semester to discuss scholarships, internships, research opportunities, your interests outside of BMB, and advice about career options. Soon, you will be able to sign up online for appointments with your advisor—watch for emails about this.

Dr. Alice Cheung

Dr. Peter Chien

Dr. David Gross

Dr. Dan Hebert

Dr. James Staros
Dr. Jennifer Normanly is the BMB Chief Undergrad Advisor and Honors Program Director
ChiefAdvisor@biochem.umass.edu

She will clear you for graduation (and shake your hand at the CNS graduation!) but in the years prior to this, she is a great resource for navigating CHC requirements for honors theses and independent study, study abroad, or when you need support for any other reason.
BMB First Year Courses

BMB First Year: Bio, Chem and Math courses

Course Requirements:
Bio 100 & Bio 101 Intro Biology (now 151, 152 & 153) (Grade of C or better required)

Chem 111 & Chem 112 (w/ labs) Gen Chemistry
(Chem 121H, 122H open to Comm Coll Honors (Grade of C- or better required)

Math 127 & 128 –or- Math 131 & 132
Sophomore year

**Math**: Third semester

**Statistics 240**, or **Statistics 501** (junior standing)

or **Math 233** (Multivariate Calc), after M131 and M132

or Psych 240 if psych double major

**Organic Chemistry**:

**Chem 261**, Fall

**Chem 262**, Spring;

**Chem 269** (lab), Spring
Sophomore year, cont.

**Physics:**

**Physics 131** and **132**, lecture & lab
or Physics 151 and 152 if strong in calculus

Physics series must be completed prior to taking Biochem 471

**GenEds and (as needed)**

No language requirement
Sophomore year:

**Cell and Molecular Biology course:**

*Biochem 275*, Fall

*Biochem 276* Intro Lab, Spring, Fall

Biochem 526 now assumes foundation of Biochem 276.
Sophomore year, cont.

291H section: presentations by BMB faculty to introduce research ongoing in department (required for Honors BMB majors, but open to all BMB majors)

A grade of B- or better in Biochem 275 is required for BMB majors to go on to take the Junior Year BMB courses.
Next!
Biochem 523

General Biochemistry 1

must get a C- or better to be counted and to proceed
Integrative Experience
Biochem 394RI,
Biochemistry in the Real World
(fall only)

iCons Students satisfy IE through program

NatSci 494 accepted; spring course

You should take the IE in your primary major
Junior Year Classes

Biochem 390G (Molecular Genetics and Genomics)

Also Honors option with Honors colloquium: Biochem 390GHH

Alternatives: Bio 283, Micro 330, or AnSci 311
Advanced Electives

-- 8 credits are required.
-- can be coursework, research, or a combination
-- Most, but not all, math and science courses at the 300-level or above count.
-- Independent studies (but not practica) at the 300-level or above count.
-- The BMB webpage has a list of options in the undergraduate resources section.
  (Exceptions can be made by Dr. Normanly)
-- If you have a 2nd major or minor, check with your other department about “double-dipping”. 
A full checklist of all BMB requirements can be found on our website: https://www.biochem.umass.edu/
Looking to do Research?

Check the BMB Department Website: www.biochem.umass.edu
Undergrad Lab Research
Where To Go For Help

General questions about how to navigate Spire, University rules and regulations, finding Gen Eds, info about courses, BMB major requirements:

**Try the Peer Advisors in LGRT 907 (schedule on the BMB website)**

- Check in with your BMB Faculty Advisor even if you don’t need help—they are part of your professional network (letters of recommendation, career advice...)

- **Advice about** change of major (in or out), transfer credit issues, study abroad email: ChiefAdvisor@biochem.umass.edu
Tips and Tricks

- Check your ARR for accuracy
- Check AP credits
- Check your Service Center for holds
- Don’t let things go!!
KEEP CALM AND STUDY BIOCHEMISTRY
Before proceeding to the Registration form you must log out from any personal Google accounts.

You can do so manually, or simply click this link.

https://accounts.google.com/logout
The BMB Registration worksheet can be found here: http://goo.gl/forms/tO7LfdQQJn

When submitting the form, be sure to select “Send me a copy of my responses.”