Biochemistry and Molecular Biology

WELCOME BMB MAJORS!

First year advising meeting
Preparation for Fall 2016 Course Registration
Today’s Meeting Agenda

Review BMB major advising system
Review academic courses
Importance of Spire records
Where to go for help
BMB Advising Updates

• One BMB primary advisor-Valerie Miller

• Faculty – secondary advisors

• To lift a hold:
  • Meet with Valerie Miller individually
  • Attend group advising
  • Complete online form for approval by advising team
WHO IS MY ADVISOR?

Valerie Miller
LGRT 914
BMB Faculty Advisors for the Class of 2019

They are a resource for you for the next four 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. Sergey Savinov
Dr. David Gross
Dr. Becky Miller
Dr. David Gross
Dr. Elizabeth Vierling
Dr. Li-Jun Ma
Dr. Ludmila Tyler
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: Biology, Chemistry, & Math

Bio 151 and Bio 152/153 Intro Biology

Bio 151 (4cr)
[BioTAP: Bio190H (4cr) & Bio191L (1cr)]
  Fall Semester
  Satisfies BS Gen Ed

Bio 152 (3cr) & 153 (2cr)
[BioTAP: Bio197FH (3cr) Bio197GH (1cr) & Bio192L (1cr)]
  Spring Semester

You must get a grade of C or better in these courses.
BMB First Year Courses

Chemistry 1 and 2

**Chem 111** or **121H** Gen Chemistry for Science majors; Fall semester
Satisfies PS GenEd

**Chem 112 or 122H**, Spring

- **Chem 121H, 122H** open to Comm Coll Honors, Chem/BMB double majors

Must get a grade of C- or better in each
BMB First Year Courses

Calculus 1 and 2

Math 127 and 128, 3 credits each
-or- Math 131 and 132, 4 credits each

AP AB 4 or 5 = 4 credits for Math 131
AP BC 4 or 5 = 8 credits for Math 131 & 132

Must take 131/132 to take Calc 3, Math 233
Other First Year Courses

English Writing and GenEd

University requirements:
EnglWrit 112 required if not exempt; Honors students take EnglWrit 112H.

GenEd courses: you need to keep track of these--check your Academic Requirements Report (ARR). Peer Advisors can offer advice on good courses to take. See also:
- Student Services Center
- Academic Requirements Report
Sophomore year: Fall Semester

Molecular Biology course:

Biochem 275

You can take Bio 152 and 153 at the same time as Biochem 275

Biochem 291H
- 1 cr seminar, presentations by BMB faculty to introduce research ongoing in department
- Biochem 275 is a pre-req

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

**Organic Chemistry:**

**Chem 261 Fall**
Must get a C- of better to progress

**Chem 262 Spring**
**Chem 269** (lab for both in the spring semester)
-or-
Lab can be taken separately

Chem 265, 266, 267, 268 open to Com Coll Honors, Chem/BMB double majors)
Sophomore year

Math/Statistics:

Third semester math
**Statistics 240**, or **Statistics 501** (junior standing)
Or **Math 233**, Multivariate Calc,
    after Math 131 and Math 132

**Psych 240** for Psych double majors
Sophomore year

Physics:

Physics 131 and Physics 132 (or 151 and 152, only if you are very proficient in calculus)

AP: Physics 1 - 3, 4 or 5 - Physics 131
  Physics 2 - 3, 4 or 5 - Physics 132
Physics C(Mechanics) - 4 or 5 - Physics 151
Physics C (Elec & Mag) - 4 or 5 - Physics 152

Should have Math 131 and 132 for Physics 151 and 152
**If you are transferring into BMB:**

You must have Bio 1 and Chem 1 and 2 to register for Biochem 275.

If you are behind in Chem, talk to your Advisor or the Chief Undergrad Advisor for permission. You may need to consider summer courses to catch up.

Math is less of an issue—you need it for Biochem 471 (usually junior year).
Fall courses

You’re now taking:

Biology 152/153
Chem 112 or 122H
Math 128 or 132

Take:

Biochem 275
Chem 261
3rd Math/Stat
Physics 131/151
Gen Ed
Legend
Class must be completed in order to take the next one.
One class must be completed

Biochem 491H
(scientific writing)

Biochem 526
Biochem 524
Biochem 523

Biochem 276

Bio 283/
Biochem 390G

Biochem 275

Chem 262
(Organic 2)

Chem 263

Chem 261
(Organic 1)

Chem 269
(Organic lab)

Biochem 471
(P-Chem)

Biochem 275

Bio 152
Bio 153

Bio 151

Chem 112 or
122H

Chem 111
or 121H

Chem 111
or 121H

Phys 132
or 152

Phys 132
or 152

Math 128
or 132

Math 233 or
Statistics

Math 127
or 131

Biochem 526

Biochem 275

Biochem 471
(P-Chem)

Biochem 275

Bio 152
Bio 153

Bio 151

Chem 112 or
122H

Chem 111
or 121H

Chem 111
or 121H

Phys 132
or 152

Phys 132
or 152

Math 128
or 132

Math 233 or
Statistics

Math 127
or 131
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
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.”