MB&B B.S./M.S. Program Application

**Updated 9/1/2023**

Dear Applicant,

Please fill out the following form as completely and accurately as you can. Note that the same information is sometimes being asked for in more than one place, in different contexts. The deadline for returning this completed form to the DUS and DUS registrar is no later than last day of classes of your 5th term. This application is written assuming you plan to graduate in the Spring of your Senior year. If your circumstances are more unusual, please explain and make appropriate adjustments.

You will be notified with a week of the deadline of my decision on your application. If approved by me, you will also need to submit before the end of your 5th term a “dynamic form” application:

<https://dynamicforms.ngwebsolutions.com/Submit/Page?form=c6c98076-bc8f-44e9-a604-755efec30bf6&section=403687&page=341149&token=gMT_8WMHhYwXOb13dcHEVCaSGURph7kkmT9S8Eb3FAI>

that will then go to Dean Jill Cutler for consideration by the Yale College/Graduate School Committee. Notification of admission into the program will occur in early Spring.

This application reflects requirements for the B.S./M.S. program that took effect starting with the class of 2025. The form assumes you plan to earn the BS degree without any of the “concentrations” offered for the BS degree. This form incorporates all the rules given by Yale College for BSMS programs, which can been viewed on the following page:

<https://catalog.yale.edu/ycps/academic-regulations/special-academic-arrangements/>

Sincerely,

Michael Koelle

Director of Undergraduate Studies Molecular Biophysics and Biochemistry

**APPLICATION FOR ADMISSION INTO THE B.S./M.S. PROGRAM IN MB&B**

# Name: Student ID:

**Signature: Date:**

I wish to apply for admission into the B.S./M.S. program in MB&B, and list below the relevant facts that I believe make me eligible.

1. I am currently in my term at Yale, and I plan to graduate in (term/year).
2. Number of courses completed at Yale College at the time of this application

Number of these courses in which I obtained a grade of A or A-

Percent of above courses in which I obtained A or A- (must be >66%)

1. I plan to perform my thesis research under the supervision of in the Department of \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
2. By the end of my junior year I will have completed a research for credit course supervised by the thesis advisor above. Term taken (or planned):

Fill in the tables on the following pages by indicating the term and grade for all courses you have completed. For courses you are enrolling in this term, write "Spring" and the current year in the "enrolled" column. For courses you plan to take next year, indicate the term and year you will take each course.

# MB&B coursework planning for the B.S./M.S. Degree Part I: courses used towards the degrees. No

|  |  |  |
| --- | --- | --- |
| REQUIREMENT | COURSE NAME | TERM TAKEN |
|  | When alternatives are listed, **underline the one taken.** If a different course is used, specify | (or write placed out under "completed" if appropriate) |
|  | . |  |

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Courses to be completed in the first four terms** |  | Proposed | Enrolled | Completed | Grade |
| Introductory Biology | Biol 101 **and** 102 |  |  |  |  |
| General Chem 1: | Chem 161 **or** 163 |  |  |  |  |
| General Chem Lab 1: | Chem 134L |  |  |  |  |
| General Chem 2: | Chem 165 **or** 167 |  |  |  |  |
| General Chem Lab 2: | Chem 136L |  |  |  |  |
| Organic Chem 1: | Chem 220 |  |  |  |  |
| Organic Chem Lab 1: | Chem 222L |  |  |  |  |
| Organic Chem 2: | Chem 125b **or** 230a/b |  |  |  |  |
| Calculus 1: | Math 112 |  |  |  |  |
| Calculus 2: | Math 115 **or** 116 |  |  |  |  |
| Physics 1: | Physics 180 **or** 200 |  |  |  |  |
| Physics 2: | Physics 181 **or** 201 |  |  |  |  |
| Biophysics 1 | MB&B 275 **or** Chem 332 |  |  |  |  |
| Biophysics 2 | 1 elective 300+ |  |  |  |  |
| **Courses to be completed**  **by the end of the 6th term** |  |  |  |  |  |
| Biochemistry 1: | MBB 300 |  |  |  |  |
| Biochemistry 2: | MBB 301 |  |  |  |  |
| Biochemistry Lab BS: | MBB 251L or other course approved by DUS |  |  |  |  |
| Biophysics I | MB&B 275 **or** Chem 332 |  |  |  |  |
| Biophysics II | 1 elective 300+ |  |  |  |  |
| Research for Credit (by end of 5th term) | MBB 470 **or** 471 |  |  |  |  |
| **Graduate level courses** |  |  |  |  |  |
| MB&B grad elective |  |  |  |  |  |
| MB&B grad elective |  |  |  |  |  |
| Science grad elective |  |  |  |  |  |
| Science grad elective |  |  |  |  |  |
| Science grad elective |  |  |  |  |  |
| Science grad elective |  |  |  |  |  |
| Research: MB&B 570a |  | 7th term |  |  |  |
| Research: MB&B 571b |  | 8th term |  |  |  |

Number of courses in the above table completed at the time of this application

Number of these courses in which I obtained a grade of A or A-

Percent of above courses in which I obtained A or A- (must be >66%)

Fill in the following table to indicate how you will satisfy the Yale College distribution requirements:

# MB&B coursework planning for the B.S./M.S. Degree Part II: distribution courses

REQUIREMENT COURSE NAME TERM TAKEN

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Distribution requirements** |  | Proposed | Enrolled | Completed | Grade |
| Humanities course |  |  |  |  |  |
| Humanities course |  |  |  |  |  |
| Social Sciences course |  |  |  |  |  |
| Social Sciences course |  |  |  |  |  |
| Writing course |  |  |  |  |  |
| Writing course |  |  |  |  |  |
| Here and below indicate how you fulfill the foreign language requirement |  |  |  |  |  |
|  |  |  |  |  |  |
|  |  |  |  |  |  |
|  |  |  |  |  |  |

1. List in the tables on the next page the courses you plan to take during your last three terms to complete the distribution requirements and BS/MS requirements. Make sure that the information agrees with what you entered into the previous tables.

# Spring Semester Junior Year

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Course Dept. and number** | **Course name** | **Check if graduate elective for MS** | **Check if an undergrad course** | **Check if non- science** |
|  |  |  |  |  |
|  |  |  |  |  |
|  |  |  |  |  |
|  |  |  |  |  |
|  |  |  |  |  |
|  |  |  |  |  |

Total credits taken this semester

# Fall Semester Senior Year

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Course Dept. and number** | **Course name** | **Check if graduate elective for MS** | **Check if an undergrad course** | **Check if non- science** |
|  |  |  |  |  |
|  |  |  |  |  |
|  |  |  |  |  |
|  |  |  |  |  |
|  |  |  |  |  |
|  |  |  |  |  |

Total credits taken this semester

# Spring Semester Senior Year

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Course Dept. and number** | **Course name** | **Check if graduate elective for MS** | **Check if an undergrad course** | **Check if non- science** |
|  |  |  |  |  |
|  |  |  |  |  |
|  |  |  |  |  |
|  |  |  |  |  |
|  |  |  |  |  |
|  |  |  |  |  |

Total credits taken this semester

1. It is required that at least one graduate elective you take be oriented towards biology. Indicate here which course you will use to fulfill this requirement.

|  |  |  |
| --- | --- | --- |
| **Course Dept. and number** | **Course name** | Term taken |
|  |  |  |

1. During the final four terms, you must earn at least six credits for courses “outside the major”. Yale College rules to not define precisely what “outside the major” mean, but we interpret this rule to mean these courses may not count for any other MB&B BS/MS requirement, and we prefer that most or all of these courses be in non-STEM disciplines. The DUS may approve that you use some STEM courses for this requirement at their discretion. the Indicate here the courses you will use to fulfill this requirement.

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Course Dept. and number** | **Course name** | # credits | Distribu- tion group | Term taken |
|  |  |  |  |  |
|  |  |  |  |  |
|  |  |  |  |  |
|  |  |  |  |  |
|  |  |  |  |  |

1. During the last two terms you must take at least two undergraduate courses “outside the major”. List below two of the courses from the table in item 7 above that you will take during your final two terms.

|  |  |  |
| --- | --- | --- |
| **Course Dept. and number** | **Course name** | Term taken |
|  |  |  |
|  |  |  |

Make sure everything on this page agrees with what you entered on previous pages.