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

Dear Applicant,

Please fill out the following 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.

You will be notified of my decision on your application. If approved by me, it 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.

The deadline for returning the completed form to the DUS registrar is no later than December 1st of your Junior year. This application is written that you plan to graduate in the Spring of your Senior year. If your circumstances are more unusual, please explain and make appropriate adjustments.

This application reflects requirements for the B.S./M.S. program that took effect starting with the class of 2009.

Sincerely,

Andrew Miranker

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

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

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| --- | --- | --- | --- | --- | --- |
| **Courses to be completed in the first four terms** |  | Proposed | Enrolled | Completed | Grade |
| Introductory Biology | Biol 101-104 (classes of 2016 and later)  or MCDB 120a **or** EEB 122b (classes before 2016) |  |  |  |  |
| General Chem 1: | Chem 112a **or** 114a **or** 118a  (118a fulfills the Gen Chem requirement in one term) |  |  |  |  |
| General Chem Lab 1: | Chem 116La **or** 119La  (119La fulfills the Chem lab requirement in one term) |  |  |  |  |
| General Chem 2: | Chem 113b **or** 114b |  |  |  |  |
| General Chem Lab 2: | Chem 117La/b |  |  |  |  |
| Organic Chem 1: | Chem 124a **or** 220a/b |  |  |  |  |
| Organic Chem Lab 1: | Chem 222La/b |  |  |  |  |
| Organic Chem 2: | Chem 125b **or** 230a/b |  |  |  |  |
| Organic Chem Lab 2: | Chem 223La/b |  |  |  |  |
| Calculus 1: | Math 112a/b |  |  |  |  |
| Calculus 2: | Math 115a/b |  |  |  |  |
| Quantitative Reasoning: | Specify course: |  |  |  |  |
| Physics 1: | Physics 170a **or** 180a **or** 200a |  |  |  |  |
| Physics 2: | Physics 171b **or** 181b **or** 201b |  |  |  |  |
| **Courses to be completed**  **by the end of the 6th term** |  |  |  |  |  |
| Biochemistry 1: | MBB 300a |  |  |  |  |
| Biochemistry 2: | MBB 301a |  |  |  |  |
| Biochemistry Lab BS: | MBB 251L |  |  |  |  |
| Physical Chem 1: | Chem 328a **or** 332a |  |  |  |  |
| Biophysics | MBB 302b (**or** Chem 333b) |  |  |  |  |
| Research for Credit | MB&B 470a **or** 471b |  |  |  |  |
| **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 |  |  |  |  |  |
| Research: MB&B 571b |  |  |  |  |  |

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

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| --- | --- | --- | --- | --- | --- |
| **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 |  |  |  |  |  |
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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** |
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Total credits taken this semester

# Fall Semester Senior Year

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| --- | --- | --- | --- | --- |
| **Course Dept. and number** | **Course name** | **Check if graduate elective for MS** | **Check if an undergrad course** | **Check if non- science** |
| MB&B 570a | Intensive Research in Biochemistry |  |  |  |
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Total credits taken this semester

# Spring Semester Senior Year

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| --- | --- | --- | --- | --- |
| **Course Dept. and number** | **Course name** | **Check if graduate elective for MS** | **Check if an undergrad course** | **Check if non- science** |
| MB&B 571b | Intensive Research in Biochemistry |  |  |  |
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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.

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| --- | --- | --- |
| **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. In MB&B we interpret this rule to mean that these must be courses that do not have the Sc (science) or QR (quantitative reasoning) designations. Indicate here the courses you will use to fulfill this requirement.

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| --- | --- | --- | --- | --- |
| **Course Dept. and number** | **Course name** | # credits | Distribu- tion group | Term taken |
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1. During the last two terms you must take at least two undergraduate courses. Indicate here the courses you will use to fulfill this requirement.

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

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