B.S. in BIOCHEMISTRY AND MOLECULAR BIOLOGY

MOLECULAR & CELL BIOLOGY OPTION

MAJOR REQUIREMENTS

PRESCRIBED COURSES-C OR HIGHER

- □ CHEM 110, 3 units
- □ CHEM 111, 1 unit
- □ CHEM 112, 3 units
- □ MATH 140, 4 units

A “C” or better is required in 2 of of the following 3 courses. **All 3 courses required:**

- □ BMB/MICRB 251, 3 units
- □ BMB/MICRB 252, 3 units
- □ MICRB 201, 3 units

PRESCRIBED COURSES

- □ BIOL 322 or 222, 3 units
- □ BMB 400, 2 units
- □ BMB 401, 3 units
- □ BMB 402, 3 units
- □ BMB 442, 3 units
- □ BMB 443W, 3 units
- □ BMB 445W or BMB 448, 2 units
- □ CHEM 113, 1 unit
- □ CHEM 210, 3 units
- □ CHEM 212, 3 units
- □ CHEM 213, 2 units
- □ MATH 141, 4 units
- □ MICRB 202 or 203, 2 units

OPTION REQUIREMENTS (MCB)

- □ BMB 428, 3 units
- □ BMB/BIOL 430, 3 units
- □ BMB/MICRB 460, 3 units
- □ MICRB 410, 3 units
- □ PHYS 250, 4 units
- □ PHYS 251, 4 units

400-LEVEL SELECTIONS

Select 5-6 units from any 400-level BMB, MICRB, or LIST D (see BMB web site) courses with a total max. of 4 units in BMB 496 and/or BMB 488 and a total max. of 3 units in BMB 408 and/or MICRB 408.

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- □

MATHEMATICAL SCIENCE

(DEPARTMENT LIST B)

Select 2-4 units from CMPSC 101 (3), 102 (3), 121 (3), 200 (3), 201 (3); MATH 220 (2), 230 (4), 231 (2), 250 (3), 251 (4); STAT 200 (4), 240 (3), 250 (3), 301 (3), 401 (3).

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Earn a “C” or higher in 9 units of any 400-level MICRB/BMB courses except BMB 442, 443W, 445W, 448, 496, MICRB 421W, 422 and 447.

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- □
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MOLECULAR & CELL BIOLOGY OPTION

OPTION REQUIREMENTS (MCB)

LIST C FREE ELECTIVES
Select 4-13 units from department list:
- ____________________________
- ____________________________
- ____________________________
- ____________________________
- ____________________________

GENEAL EDUCATION

FIRST YEAR SEMINAR
- PSU 16, 1 unit

U.S. & INTERNATIONAL CULTURES
- ____________________________ (US)
- ____________________________ (IL)

WRITING AND SPEAKING
- ENGL 15 or 30, 3 units
- CAS 100, 3 units
- ENGL 202C, 3 units

Minimum overall GPA requirement for graduation must be ≥ 2.0. Total units earned (less repeats and remedial) must equal 125 to graduate. They must also satisfy the University’s First-Year Seminar, International and US Cultures, and Writing Across the Curriculum requirements. At least 36 of the last 60 units must be completed at the university, and the last 60 units within the past 5 calendar years.