

# B.S. in PREMEDICINE



## MAJOR REQUIREMENTS

### PRESCRIBED COURSES

- BIOL 110, 4 credits<sup>1,2</sup>
- BIOL 230W, 4 credits<sup>1,2</sup>
- CHEM 110, 3 credits<sup>1,2</sup>
- CHEM 111, 1 credit<sup>1,2</sup>
- CHEM 112, 3 credits<sup>1,2</sup>
- CHEM 113, 1 credit<sup>1,2</sup>
- CHEM 210, 3 credits<sup>1,2</sup>
- CHEM 212, 3 credits<sup>1</sup>
- CHEM 213W, 2 credits<sup>1</sup>
- HPA 101, 3 credits
- MATH 140, 4 credits<sup>1,2</sup>
- MATH 141, 4 credits<sup>1,2</sup>
- NUTR 251, 3 credit<sup>1</sup>
- PHIL 432, 3 credits
- PHYS 211, 4 credits<sup>1</sup>
- PHYS 212, 4 credits<sup>1</sup>
- PHYS 213, 2 credits<sup>1</sup>
- PHYS 214, 2 credits<sup>1</sup>
- PSYCH 100, 3 credits
- SOC 1, 3 credits

### ADDITIONAL COURSES

**Life Sciences:** Select 4-5 credits from BIOL 220W; BIOL 240W; MICRB 201 and MICRB 202.

- \_\_\_\_\_
- \_\_\_\_\_

**Statistics:** Select 3-4 credits from STAT 200 or STAT 250

- \_\_\_\_\_

**Biology:** Select 4-5 credits<sup>1</sup> from BIOL 421; BIOL 437; BIOL 472 and 473; MICRB 412 and MICRB 422.

- \_\_\_\_\_
- \_\_\_\_\_

### Biochemistry & Molecular Biology:

Select 5-6 credits<sup>1</sup> from the following:

- BMB 400, 2-3 credits
- BMB 401, 3 credits
- BMB 402, 3 credits

### SUPPORTING COURSES

**Language Proficiency:** 0-8 credits in World Language<sup>3</sup>

- \_\_\_\_\_  \_\_\_\_\_

**Program List:** Select 18-30 credits in consultation with an adviser. (See Program List Exclusions.)

- PSU 16, 1 credit  \_\_\_\_\_
- \_\_\_\_\_  \_\_\_\_\_
- \_\_\_\_\_  \_\_\_\_\_
- \_\_\_\_\_  \_\_\_\_\_
- \_\_\_\_\_  \_\_\_\_\_
- \_\_\_\_\_  \_\_\_\_\_



# B.S. in PREMEDICINE

## GENERAL EDUCATION REQUIREMENTS

### First-Year Seminar (FYS), 1 credit<sup>4</sup>

- PSU 16, 1 credit

### US Cultures (US), 3 credits<sup>4</sup>

- \_\_\_\_\_

### International Cultures (IL), 3 credits<sup>4</sup>

- \_\_\_\_\_

### Writing Across the Curriculum (WAC), 3 credits<sup>4</sup>

- BIOL 110, 1 credit
- BIOL 230W, 1 credit
- CHEM 213W, 2 credits

### Writing and Speaking (GWS), 9 credits

- ENGL 15, 3 credits
- CAS 100, 3 credits
- ENGL 202 A, B, C, or D, 3 credits  
(Option A or C preferred)

### Arts (GA), 6 credits

- \_\_\_\_\_
- \_\_\_\_\_

### Humanities (GH), 6 credits

- \_\_\_\_\_
- \_\_\_\_\_

### Social & Behavioral Sciences (GS), 6 credits

- PSYCH 100, 3 credits
- SOC 1, 3 credits

### Health & Physical Activity (GHA), 3 credits

- NUTR 251, 3 credits

This major requires a **total of 126 credits** appropriate to the degree. **At least 18 credits must be earned at the 400-level.** The University's First Year Seminar, International and US Cultures, and Writing Across the Curriculum requirements must also be satisfied. At least 36 of the last 60 credits must be completed at the University, and the last 60 credits within the past 5 calendar years.

- (1) A student enrolled in this major must receive a grade of C or better, as specified in Senate Policy 82-44.
- (2) Course is an ETM Requirement. Students must receive a C or better grade in all ETM courses prior to entering the major, have at least third semester classification, and have a cGPA of 3.20 to be entered into the Premedicine major.
- (3) Proficiency demonstrated by examination or course work to the level of the second semester; if fewer than 8 credits are needed to reach the required proficiency, students choose selections from program list to total 8 credits
- (4) Courses are included in GENERAL EDUCATION course selection or MAJOR REQUIREMENTS. When totaling credits, do not count courses in this category.

**PENN STATE UNIVERSITY  
EBERLY COLLEGE OF SCIENCE  
SCIENCE (SC BS) AND PREMEDICINE (PM) MAJORS**

**PROGRAM LIST EXCLUSIONS:  
COURSEWORK NOT APPLICABLE TO  
DEGREE REQUIREMENTS**

Students may select supporting courses from nearly the entire range of the University's course offerings. However, the following courses may **NOT** be used to satisfy degree requirements in the Science and Premedice majors. This list applies to ALL options in the Science BS major.

BIOL	001, 003, 011*, 012*
BI SC	001, 002, 003*, 004*
B M B	001*
CAS	126
CHEM	001, 003, 005, 101, 108
CMPSC	100
ENGL	004, 005
ESL	004, 005
LL ED	005, 010
MATH	003, 004, 010, 017, 018, 021, 022, 026, 030, 033, 034, 035, 036, 040, 041, 081, 082, 083, 097, 110, 111, 200
MICRB	150, 151A, 151B, 151C, 151D, 151E, 151F, 151G, 151W
PHYS	001, 010, 097, 114, 150, 151
STAT	100

\*On rare occasions, with adequate justification, a student may be permitted to use one or more of these courses to satisfy degree requirements. A petition must be submitted to request such an exception. Consult with your academic adviser.

In addition, the following types of courses may not be used to satisfy degree requirements in the Science or Premedice majors:

- Courses which are remedial in nature or which focus on reading improvement or study skills.
- Courses which substantially duplicate the subject matter covered in other completed courses taught at a comparable level.

Some courses may be counted toward degree requirements in the Science and Premedice majors with some restrictions:

- No more than 4 credits of MATH 140A may be used.
- No more than 6 credits of ROTC courses (AIR, ARMY, NAVSC) may be used.
- No more than 12 credits of independent study (296, 496, etc.) may be used.  
\*\*Unless special permission is granted, Independent Study credit may only be used in "Supporting Courses" and "Any 400-level Course Work" categories.
- No more than 5 credits of KINES Physical Activity courses may be used.  
\*\*KINES Health Courses (KINES 180, etc.) are not limited to 5 credits.