

B.S. in SCIENCE

GENERAL OPTION

124 total eligible credits required



MAJOR REQUIREMENTS

PRESCRIBED COURSES, 20 credits

- BIOL 110[^], 4 credits *C or better required*
- CHEM 110[^], 3 credits *C or better required*
- CHEM 111, 1 credit
- CHEM 112, 3 credits
- CHEM 113, 1 credit
- MATH 140[^], 4 credits *C or better required*
- MATH 141, 4 credits

OPTION REQUIREMENTS

ADDITIONAL COURSES, 15-20 credits

Biology, 4 credits:

Select **one** of the following lecture/lab combinations:

- BIOL 129, 4 cr. BIOL 220W, 4 cr.
- BIOL 141 and 142, 4 cr. BIOL 230W, 4 cr.
- BIOL 240W, 4 cr.

Statistics, 3-4 credits:

Select **one** of the following courses:

- STAT 200, 4 cr. STAT 301, 3 cr.
- STAT 250, 3 cr. STAT 401, 3 cr.

Physics, 8-12 credits:

Complete one of the following sequences *in its entirety*:

- PHYS 211[^], 4 cr. PHYS 250[^], 4 cr.
C or better required *C or better required*
- PHYS 212, 4 cr. PHYS 251, 4 cr.
- PHYS 213, 2 cr.
- PHYS 214, 2 cr.

[^]**Entrance-to-Major (ETM) course:** Prior to entering the Science major, students must have third-semester standing (29.1 credits or more) and earn a C or better in all ETM courses: MATH 140, and at least two of BIOL 110, CHEM 110, and PHYS 211 or 250.

SUPPORTING COURSES, 54-59 credits

Earth and Mineral Sciences, 3 credits:

Select one course from the College of Earth & Mineral Sciences. (EARTH, EGEE, EM SC, GEOG, GEOSC, MATSE, METEO Departments)

- _____

Global, Social, and Personal Awareness, 3 credits:

Select one course from Department List.

- _____

Teamwork and Interpersonal Communication, 3 credits:

Select one course from Department List.

- _____

400-level Life, Mathematical, or Physical Sciences, 9 credits:

Select 9 credits of 4xx courses from the following Departments:

Life: BMB, BIOL, MICRB; Mathematical: CMPSC, MATH, STAT;

Physical: ASTRO, CHEM, and PHYS. (See Program List Exclusions.)

C or better required

- _____ _____
- _____ _____

Any-level Life, Mathematical, or Physical Sciences, 9 credits:

Select 9 credits of courses from the following Departments:

Life: BMB, BIOL, MICRB; Mathematical: CMPSC, MATH, STAT;

Physical: ASTRO, CHEM, and PHYS. (See Program List Exclusions.)

- _____ _____
- _____ _____

400-level Courses, 6 credits:

Select 6 credits of 4xx courses from any Department.

- _____ _____
- _____ _____

Electives (Program List): Select 21-26 credits in consultation with an adviser. (See Program List Exclusions.)

Must complete 124 total eligible credits for the degree.

- PSU 16, 1 cr. _____
- _____ _____
- _____ _____
- _____ _____
- _____ _____



GENERAL EDUCATION REQUIREMENTS

KNOWLEDGE DOMAINS

Natural Sciences (GN), 9 credits

- BIOL 110, 4 credits
- CHEM 110 & 111, 4 credits
- CHEM 112 & 113, 4 credits

Arts (GA), 6 credits[%]

(3 credits must NOT be inter-domain*)

- _____
- _____

Humanities (GH), 6 credits[%]

(3 credits must NOT be inter-domain*)

- _____
- _____

Social and Behavioral Sciences (GS), 6 credits[%]

(3 credits must NOT be inter-domain*)

- _____
- _____

Health and Wellness (GHW), 3 credits[%]

(3 credits must NOT be inter-domain*)

- _____
- _____

Additional Knowledge Domain Courses, 0-6 credits*

- _____
- _____

FOUNDATIONS

Writing & Speaking (GWS), 9 credits *C or better required*

- ENGL 15⁺ or ENGL 30 or ESL 15, 3 credits
 - CAS 100⁺, 3 credits
 - ENGL 202 A, B, C, or D, 3 credits (Option A or C preferred)
- * For Schreyer Honors students, ENGL 15 and CAS 100 are replaced with ENGL/CAS 137 and ENGL/CAS 138*

Quantification (GQ), 6 credits *C or better required*

- MATH 140, 4 credits
 - _____
- (ECoS Req.: must be MATH 141, STAT 2xx, CMPSC 101, or higher.)*

ADDITIONAL UNIVERSITY REQUIREMENTS

Requirements in this category only may be satisfied by courses being used elsewhere for the degree.

First-Year Seminar (FYS), 1 credit

- PSU 16, 1 credit

US Cultures (US), 3 credits

- _____

International Cultures (IL), 3 credits

- _____

Writing Across the Curriculum (WAC), 3 credits

- BIOL 110, 1 credit
- _____
- _____

Integrative Studies (IS), 6 credits

Must be two (paired) Linked courses (Z-suffix), or two (distinct) Inter-domain* courses (N-suffix)

- _____
- _____

***Inter-domain courses** span across two different Knowledge Domains. One inter-domain course may count as 3 credits toward each Domain, but 30 distinct credits of Knowledge Domain courses (GN/GA/GH/GS/GHW) are required in total.

[%]**Move-3 Substitution:** A student may choose to shift 3 credits of courses from the GN, GA, GH, or GS categories to either GN, GA, GH, GS, or GHW categories at the approval of an Academic Adviser.