

Model First-Semester Programs

Class of 2029

Curricula leading to the Bachelor of Science or Bachelor of Arts programs are provided by the various departments. In order to ensure that the appropriate required courses are selected, the following program models were developed for your use. Be sure to select all required courses in your online registration form when completing the Bachelor of Arts form. For a more detailed discussion of course requirements, refer to the *University Catalog* online.

College of Arts & Sciences

For BA students who are undecided

First-Semester Seminar	1.0
Social Science Course	1.0
Arts & Humanities	1.0
Natural Science & Mathematics or Foreign Language	1.0

PRE-HEALTH WITH ANY MAJOR	
Foundation Seminar	1.0
CHEM 205 or 211	1.0
Elective or MATH 201	1.0
Elective	1.0

For students in programs offering both BA and BS/BMus degrees

ANIMAL BEHAVIOR			
<i>Bachelor of Science</i>		<i>Bachelor of Arts</i>	
Foundation Seminar	1.0	Foundation Seminar	1.0
ANBE 266	1.0	ANBE 266	1.0
BIOL 201 or BIOL 202	1.0	BIOL 201 or 202 (201 preferred)	1.0
Elective	1.0	Elective	1.0
BIOLOGY			
<i>Bachelor of Science</i>		<i>Bachelor of Arts</i>	
Foundation Seminar	1.0	Foundation Seminar	1.0
BIOL 201 or BIOL 202	1.0	BIOL 201 or BIOL 202	1.0
CHEM 205 ¹⁴	1.0	MATH 201 ¹	1.0
MATH 201 ¹⁴ or Elective	1.0	Elective ²	1.0
CHEMISTRY			
<i>Bachelor of Science</i>		<i>Bachelor of Arts</i>	
Foundation Seminar	1.0	Foundation Seminar	1.0
CHEM 205 or CHEM 211	1.0	CHEM 205 or CHEM 211	1.0
MATH 201 ¹	1.0	MATH 201 ¹	1.0
Elective	1.0	Elective	1.0

COMPUTER SCIENCE <i>Bachelor of Science</i> Foundation Seminar CSCI 203 ³ MATH 201 ¹ Elective	1.0 1.0 1.0 1.0	<i>Bachelor of Arts</i> Foundation Seminar CSCI 203 ³ MATH 201 ¹ Elective	1.0 1.0 1.0 1.0
EDUCATION <i>Bachelor of Science</i> Foundation Seminar EDUC 101 or EDUC 102 EDUC 235 Lab Science or other CASCC Requirement	1.0 1.0 1.0 1.0	<i>Bachelor of Arts</i> Foundation Seminar EDUC 101 Elective Elective	1.0 1.0 1.0 1.0
GEOSCIENCES <i>Bachelor of Science</i> Foundation Seminar GEOL 203, GEOL 204, or GEOL 208 MATH 201 ¹ or PHYS 211 Elective	1.0 1.0 1.0 1.0	<i>Bachelor of Arts</i> Foundation Seminar GEOL 203, 204, or 208 Elective Elective	1.0 1.0 1.0 1.0
MATHEMATICS <i>Bachelor of Science</i> Foundation Seminar MATH 201 ¹ Physics 211 Elective MATH 208 ⁴	1.0 1.0 1.0 1.0 0.5	<i>Bachelor of Arts</i> Foundation Seminar MATH 201 ¹ Elective Elective MATH 208 ⁴	1.0 1.0 1.0 1.0 0.5
MUSIC <i>Bachelor of Music</i> ⁵ Foundation Seminar MUSC 121 ⁶ or Elective MUSC 135 ⁷ or Elective Natural Science & Mathematics or Foreign Language Elective MUSC 152 MUSC 260 (ensemble) Applied lessons ⁸	1.0 1.0 1.0 1.0 Audit Audit Variable	<i>Bachelor of Arts</i> Foundation Seminar MUSC 121 ⁶ or Elective Natural Science & Mathematics or Foreign Language Elective MUSC 260 (ensemble) Applied lessons ⁸	1.0 1.0 1.0 1.0 1.0 Audit 0.25

For BS students with declared majors

APPLIED MATHEMATICS Foundation Seminar MATH 201 ¹ Elective Elective MATH 208 ⁴	1.0 1.0 1.0 1.0 0.5	BIOPHYSICS Foundation Seminar PHYSICS 211 MATH 201 ¹ Elective	1.0 1.0 1.0 1.0
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CELL BIOLOGY/BIOCHEMISTRY Foundation Seminar BIOL 201 CHEM 205 or CHEM 211 ¹³ MATH 201 ¹	1.0 1.0 1.0 1.0	MATHEMATICAL ECONOMICS Foundation Seminar ECON 101 MATH 201 ¹ Elective	1.0 1.0 1.0 1.0
NEUROSCIENCE Foundation Seminar PSYC 100 ⁹ CHEM 205 or CHEM 211 ¹³ Elective	1.0 1.0 1.0 1.0	STATISTICS Foundation Seminar CSCI 203 MATH 201 ¹ Elective MATH 208 ⁴	1.0 1.0 1.0 1.0 0.5

For BA students interested in a major that requires a co-major

ENVIRONMENTAL SCIENCE <i>Requires primary BA major in Biology, Chemistry, or Geosciences</i> Foundation Seminar CHEM 205 or GEOL 203 MATH 201 ¹ Elective	1.0 1.0 1.0 1.0	ENVIRONMENTAL STUDIES Foundation Seminar GEOL 203 Elective Elective	1.0 1.0 1.0 1.0
DATA SCIENCE <i>Select first-semester courses according to the model for your primary major (BS or BSBA)</i>			

College of Engineering (All Majors)

ENGR 099	0
ENGR 100	1.0
MATH 201 ¹	1.0
PHYS 211	1.0
Foundation Seminar (W1)	1.0

Freeman College of Management (All Majors)

Foundation Seminar	1.0
ANOP 102 or ECON 101 ¹⁰	1.0
Elective ¹¹	1.0
Elective	1.0
MGMT 100 ¹²	0.5

¹ If you receive AP or transfer credit for MATH 201, then you begin with the appropriate calculus course MATH 202 or MATH 211.

² CHEM 205 or CHEM 211 are strongly recommended as an appropriate elective, particularly for pre-med students.

³ A student scoring 4 or 5 on the Computer Science A AP exam will be exempt from CSCI 203; they should work on learning introductory Python programming and enroll in CSCI 204 instead. Later on, the student will be required to take a CSCI 200-level or higher elective.

⁴ Strongly recommended, but not required.

⁵ Bachelor of Music students in Music Education must consult with Professor Nicholas Roseth (ner008@bucknell.edu) before selecting their first-semester courses.

⁶ Music majors: All music majors, whether they anticipate enrolling in the BA music degree or have already been accepted into a BMus degree program, must complete a music theory placement exam before registering for classes to determine whether they need to take Fundamentals of Music Theory (MUSC 121) during the fall semester. MUSC 121 or a passing grade on the placement exam is the prerequisite for MUSC 200 (Diatonic Theory, offered every spring), which assumes an understanding of the fundamentals of music, standard notation, meter, triads, and basic harmonic progressions. The placement exam is available during pre-admission auditions or can be scheduled by emailing Mrs. Brenda Ross, Academic Assistant (bross@bucknell.edu) prior to the start of classes. MUSC 121 does not satisfy a requirement for the music major or minor.

⁷ Music education majors only: MUSC 135, Intro to Music Education. Vocal Performance students will take an elective.

⁸ All students taking music lessons register with Mrs. Brenda Ross, Academic Assistant (bross@bucknell.edu), when they arrive on campus in the fall. Credit varies by degree.

⁹ Students entering with AP credit for PSYC 100 may opt to take MATH 201 in the first semester, or begin the CHEM 205-211 sequence in the first year, or may take an additional course in the first semester for the College of Arts & Sciences Core Curriculum.

¹⁰ First-semester BSBA students will be registered for either ANOP 102 or ECON 101. In some cases, students may be registered for both. Students entering with AP credit for both Macro and Micro Economics will have satisfied the ECON 101 requirement and so will be placed in ANOP 102.

¹¹ It is recommended that first-semester BSBA students seek to satisfy Freeman General Education requirements in Natural Sciences & Math, Arts & Humanities, and/or Foreign Languages.

- All Social Science requirements and (1)W2 requirement are satisfied by courses also required for all Freeman majors, so other general education requirements can take precedence in the first year.
- Students interested in Accounting or Finance are encouraged to take either MATH 192, MATH 201, or MATH 216 in their first year.
- Intended Analytics majors should be placed into MATH 201. If that requirement is satisfied with AP credits, MATH 216 is another suggestion.
- All students are encouraged to satisfy their lab science requirement in their first year.

¹² First-semester BSBA students will be registered for MGMT 100. It is a required half-credit course taken in addition to the customary four course load. Other courses taught during the same time as MGMT 100, 1-2:50 pm on Thursdays, will not be available to Freeman students.

¹³ Students should register for CHEM 205 in their first semester unless they have entered with AP Chemistry credit. Students with credit for AP Chemistry should register for CHEM 211.

¹⁴ First-semester Biology majors are not required to take both CHEM and MATH 201 in the first semester. If a student chooses to take only one of these, it should be CHEM. BS Biology students who do not wish to take MATH 201 in the first semester should indicate this in the comment field on their registration form.