

## Model First-Semester Programs Class 2027

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

<b>For students who are undecided or interested in a non-science major</b>	
Foundation Seminar	1.0
Social Science Course	1.0
Arts & Humanities	1.0
Natural Science & Mathematics or Foreign Language	1.0

#### *Majors offering both BA and BS degrees*

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

<b>COMPUTER SCIENCE</b> <i>Bachelor of Science</i> Foundation Seminar CSCI 203 <sup>3</sup> MATH 201 <sup>1</sup> Elective	 1.0 1.0 1.0 1.0	<i>Bachelor of Arts</i> Foundation Seminar CSCI 203 <sup>3</sup> MATH 201 <sup>1</sup> Elective	 1.0 1.0 1.0 1.0
<b>EDUCATION</b> <i>Bachelor of Science</i> Foundation Seminar EDUC 101 Lab Science Elective	 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
<b>GEOLOGY and ENVIRONMENTAL            GEOSCIENCES</b> <i>Bachelor of Science</i> Foundation Seminar GEOL 204 MATH 201 <sup>1</sup> Elective	 1.0 1.0 1.0 1.0	<i>Bachelor of Arts</i> Foundation Seminar GEOL 204 Elective Elective	 1.0 1.0 1.0 1.0
<b>MATHEMATICS</b> <i>Bachelor of Science</i> Foundation Seminar MATH 201 <sup>1</sup> Physics 211 Elective MATH 208 <sup>4</sup>	 1.0 1.0 1.0 1.0 0.5	<i>Bachelor of Arts</i> Foundation Seminar MATH 201 <sup>1</sup> Elective Elective MATH 208 <sup>4</sup>	 1.0 1.0 1.0 1.0 0.5
<b>PHYSICS</b> <i>Bachelor of Science</i> Foundation Seminar MATH 201 <sup>1</sup> PHYS 211 Elective	 1.0 1.0 1.0 1.0	<i>Bachelor of Arts</i> Foundation Seminar MATH 201 <sup>1</sup> PHYS 211 Elective	 1.0 1.0 1.0 1.0

**Other Majors in the College of Arts & Sciences**

<b>ENVIRONMENTAL SCIENCE</b> <i>Requires second BA major in Biology,            Chemistry, or Geology</i> Foundation Seminar CHEM 205 or GEOL 203 MATH 201 <sup>1</sup> Elective	 1.0 1.0 1.0 1.0	<b>ENVIRONMENTAL STUDIES</b>  Foundation Seminar GEOL 203 Elective Elective	  1.0 1.0 1.0 1.0
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<b>APPLIED MATHEMATICAL SCIENCES</b> Foundation Seminar MATH 201 <sup>1</sup> Elective Elective MATH 208 <sup>4</sup>	1.0 1.0 1.0 1.0 0.5	<b>MATHEMATICAL ECONOMICS</b> Foundation Seminar ECON 101 MATH 201 <sup>1</sup> Elective	1.0 1.0 1.0 1.0
<b>CELL BIOLOGY/BIOCHEMISTRY</b> Foundation Seminar BIOL 201 CHEM 205 or CHEM 211 <sup>13</sup> MATH 201 <sup>1</sup>	1.0 1.0 1.0 1.0	<b>STATISTICS</b> Foundation Seminar CSCI 203 MATH 201 <sup>1</sup> Elective MATH 208 <sup>4</sup>	1.0 1.0 1.0 1.0 0.5
<b>NEUROSCIENCE</b> Foundation Seminar PSYC 100 <sup>9</sup> CHEM 205 or CHEM 211 <sup>13</sup> Elective	1.0 1.0 1.0	<b>BIOPHYSICS</b> Foundation Seminar Physics 211 Math 201 <sup>1</sup> Elective	1.0 1.0 1.0 1.0
<b>MUSIC</b> <i>Bachelor of Music</i> Foundation Seminar <sup>5</sup> MUSC 121 <sup>6</sup> or Elective MUSC 135 <sup>7</sup> or Elective Natural Science & Mathematics or Foreign Language Elective MUSC 152 MUSC 260 (ensemble) Applied lessons <sup>8</sup>	1.0 1.0 1.0 1.0 Audit Audit Variable	<i>Bachelor of Arts</i> Foundation Seminar MUSC 121 <sup>6</sup> or Elective Natural Science & Mathematics or Foreign Language Elective MUSC 260 (ensemble) Applied lessons <sup>8</sup>	1.0 1.0 1.0 1.0 Audit 0.25

<b>PRE-MED WITH ANY MAJOR</b> Foundation Seminar CHEM 205 or 211 Elective or MATH 201 Elective	1.0 1.0 1.0 1.0
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## College of Engineering

<b>ENGINEERING (All majors)</b> ENGR 099 ENGR 100 MATH 201 <sup>1</sup> PHYS 211 Foundation Seminar (W1)	0 1.0 1.0 1.0 1.0
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## Freeman College of Management (All Majors)

Foundation Seminar	1.0
ANOP 102 or ECON 101 <sup>10</sup>	1.0
Elective <sup>11</sup>	1.0
Elective	1.0
MGMT 100 <sup>12</sup>	0.5

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

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

<sup>3</sup> A student scoring 4 or 5 on the Computer Science AAP 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 300-level elective.

<sup>4</sup> Recommended, but not required.

<sup>5</sup> Music Education majors should consult with Professor William Kenny ([kenny@bucknell.edu](mailto:kenny@bucknell.edu)) before selecting their choices for Foundation Seminars to ensure that the selected seminars fulfill the relevant Pennsylvania Department of Education requirement in addition to fulfilling a requirement of Bucknell's core curriculum.

<sup>6</sup> 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 ([brross@bucknell.edu](mailto:brross@bucknell.edu)) prior to the start of classes. MUSC 121 does not satisfy a requirement for the music major or minor.

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

<sup>8</sup> All students taking music lessons register with Mrs. Brenda Ross, Academic Assistant ([brross@bucknell.edu](mailto:brross@bucknell.edu)), when they arrive on campus in the fall. Credit varies by degree.

<sup>9</sup> 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 Core Curriculum.

<sup>10</sup> 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 be placed in ANOP 102.

<sup>11</sup> 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 W2 requirements 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.

<sup>12</sup> First-semester BSBA students will be registered for MGMT 100. It is a required half-credit course taken in addition to the ordinary four course load. Other courses taught during the same time as MGMT 100, 2-4 pm on Thursdays, will not be available to Freeman students.

<sup>13</sup> 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.

<sup>14</sup> 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.