

## Model First-Semester Programs

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 students who are undecided or interested in a non-science major

Foundation Seminar	1.0
Social Science Course	1.0
Arts & Humanities	1.0
Natural Science & Mathematics or Foreign Language	1.0

#### Pre-Med with any major

Foundation Seminar	1.0
CHEM 205 or CHEM 207	1.0
Elective or BIOL 205	1.0
Elective or MATH 201	1.0

*Majors offering both BA and BS degrees*

#### ANIMAL BEHAVIOR

<i>Bachelor of Science</i>	1.0
Foundation Seminar	1.0
ANBE 266	1.0
BIOL 205	1.0
Elective or MATH 201	1.0

<i>Bachelor of Arts</i>	
Foundation Seminar	1.0
ANBE 266	1.0
Elective	1.0
Elective	1.0

#### BIOLOGY

<i>Bachelor of Science</i>	
Foundation Seminar	1.0
BIOL 205	1.0
CHEM 205 or CHEM 207	1.0
MATH 201	1.0

<i>Bachelor of Arts</i>	
Foundation Seminar	1.0
BIOL 205	1.0
MATH 201 <sup>1</sup>	1.0
Elective <sup>2</sup>	1.0

#### CHEMISTRY

<i>Bachelor of Science</i>	
Foundation Seminar	1.0
CHEM 205 or CHEM 207	1.0
MATH 201 <sup>1</sup>	1.0
Elective	1.0

<i>Bachelor of Arts</i>	
Foundation Seminar	1.0
CHEM 205 or CHEM 207	1.0
MATH 201 <sup>1</sup>	1.0
Elective	1.0

#### COMPUTER SCIENCE

<i>Bachelor of Science</i>	
Foundation Seminar	1.0
CSCI 203 <sup>3</sup>	1.0
MATH 201 <sup>1</sup>	1.0
Elective	1.0

<i>Bachelor of Arts</i>	
Foundation Seminar	1.0
CSCI 203 <sup>3</sup>	1.0
MATH 201 <sup>1</sup>	1.0
Elective	1.0

#### EDUCATION

<i>Bachelor of Science</i>	
Foundation Seminar	1.0
EDUC 101	1.0
Elective	1.0
Elective	1.0

<i>Bachelor of Arts</i>	
Foundation Seminar	1.0
EDUC 101	1.0
Elective	1.0
Elective	1.0

**GEOLOGY and ENVIRONMENTAL GEOSCIENCES***Bachelor of Science*

Foundation Seminar	1.0
GEOL 203 or GEOL 204	1.0
MATH 201 <sup>1</sup>	1.0
Elective	1.0

*Bachelor of Arts*

Foundation Seminar	1.0
GEOL 203 or GEOL 204	1.0
Elective	1.0
Elective	1.0

**MATHEMATICS***Bachelor of Science*

Foundation Seminar	1.0
MATH 201 <sup>1</sup>	1.0
PHYS 211	1.0
Elective	1.0
MATH 208 <sup>4</sup>	0.5

*Bachelor of Arts*

Foundation Seminar	1.0
MATH 201 <sup>1</sup>	1.0
Elective	1.0
Elective	1.0
MATH 208 <sup>4</sup>	0.5

**PHYSICS***Bachelor of Science*

Foundation Seminar	1.0
MATH 201 <sup>1</sup>	1.0
PHYS 211	1.0
Elective	1.0

*Bachelor of Arts*

Foundation Seminar	1.0
MATH 201 <sup>1</sup>	1.0
PHYS 211	1.0
Elective	1.0

*Other Majors in the College of Arts & Sciences***ENVIRONMENTAL SCIENCE***Requires second BA major in Biology, Chemistry, or Geology*

Foundation Seminar	1.0
BIOL 205, CHEM 205, or GEOL 203	1.0
MATH 201 <sup>1</sup>	1.0
Elective	1.0

**ENVIRONMENTAL STUDIES**

Foundation Seminar	1.0
GEOL 203	1.0
Elective	1.0
Elective	1.0

**APPLIED MATHEMATICAL SCIENCES**

Foundation Seminar	1.0
MATH 201 <sup>1</sup>	1.0
Elective	1.0
Elective	1.0
MATH 208 <sup>4</sup>	0.5

**MATHEMATICAL ECONOMICS**

Foundation Seminar	1.0
ECON 103	1.0
MATH 201 <sup>1</sup>	1.0
Elective	1.0

**CELL BIOLOGY/BIOCHEMISTRY**

Foundation Seminar	1.0
BIOL 205	1.0
CHEM 205 or CHEM 207	1.0
MATH 201 <sup>1</sup>	1.0

**BIOPHYSICS**

Foundation Seminar	1.0
Physics 211	1.0
Math 201 <sup>1</sup>	1.0
BIOL 205	1.0

**NEUROSCIENCE**

Foundation Seminar	1.0
BIOL 205	1.0
PSYC 100 <sup>10</sup>	1.0
Elective <sup>2</sup>	1.0

**BACHELOR OF MUSIC**

Foundation Seminar <sup>5</sup>	1.0
MUSC 152	Audit
MUSC 135 <sup>6</sup> or Elective	1.0
Elective	1.0
Elective <sup>7</sup> or MUSC 121	1.0
Lessons <sup>8</sup> (applied music)	Variable Credit
Ensemble(s)	Audit

## College of Engineering

### ENGINEERING (All majors)

ENGR 100	1.0
MATH 201 <sup>1</sup>	1.0
PHYS 211	1.0
Elective <sup>9</sup>	1.0

## Freeman College of Management

### ACCOUNTING

Foundation Seminar	1.0
MGMT 102 or ECON 103 <sup>11</sup>	1.0
Elective <sup>12</sup>	1.0
Elective	1.0
MGMT 100 <sup>13</sup>	0.5

### BUSINESS ANALYTICS

Foundation Seminar	1.0
MATH 201	1.0
MGMT 102 or ECON 103 <sup>11</sup>	1.0
Elective <sup>12</sup>	1.0
MGMT 100 <sup>13</sup>	0.5

### FINANCE

Foundation Seminar	1.0
MGMT 102 or ECON 103 <sup>11</sup>	1.0
Elective <sup>12</sup>	1.0
Elective	1.0
MGMT 100 <sup>13</sup>	0.5

### UNDECIDED

Foundation Seminar	1.0
MGMT 102 or ECON 103 <sup>11</sup>	1.0
Elective <sup>12</sup>	1.0
Elective	1.0
MGMT 100 <sup>13</sup>	0.5

### GLOBAL MANAGEMENT

Foundation Seminar	1.0
MGMT 102 or ECON 103 <sup>11</sup>	1.0
Elective <sup>12</sup>	1.0
Elective	1.0
MGMT 100 <sup>13</sup>	0.5

### MANAGING FOR SUSTAINABILITY

Foundation Seminar	1.0
MGMT 102 or ECON 103 <sup>11</sup>	1.0
Elective <sup>12</sup>	1.0
Elective	1.0
MGMT 100 <sup>13</sup>	0.5

### MARKETS, INNOVATION, & DESIGN

Foundation Seminar	1.0
MGMT 102 or ECON 103 <sup>11</sup>	1.0
Elective <sup>12</sup>	1.0
Elective	1.0
MGMT 100 <sup>13</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 is strongly recommended as an appropriate elective, particularly for pre-med students.

<sup>3</sup> Students scoring 4 or 5 on the CS A AP exam should contact the department chair.

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

<sup>5</sup> Music Education majors should consult with Professor Kimberly Councill (khc007@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 education majors only: MUSC 135 Intro to Music Education. Vocal Performance will take an elective.

<sup>7</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 will complete an online music theory assessment instrument before

registering for classes to determine whether they need to take Introduction to Music Theory (MUSC 121) during the fall semester. The assessment instrument will be accessible from the Department of Music web page. MUSC 121 does not count toward the major; however, students are expected to have an understanding of the fundamentals of music, standard notation, meter, triads and basic harmonic progressions before enrolling in MUSC 200 (Diatonic Theory) in the spring. Students may contact the department chair (bl027@bucknell.edu) for information regarding a music theory exam study guide or sources for individualized basic music theory study that may be completed over the summer.

- <sup>8</sup> All students taking lessons register for those lessons by meeting with the department's academic assistant when they arrive on campus in the fall. Credit varies.
- <sup>9</sup> W1 course or another Social Science/Arts and Humanities/Language course.
- <sup>10</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>11</sup> First-semester BSBA's will be registered for either MGMT 102 or ECON 103. In some cases, students may be registered for both.
- <sup>12</sup> It is recommended that first-semester BSBA's seek to satisfy their Lab Science requirement or take a course in Natural Sciences & Math, Arts & Humanities, and/or Foreign Languages. All Social Science requirements are satisfied by courses taken for the major. Lab science attributes (LBSC) can be found in Course Information.
- <sup>13</sup> First-semester BSBA's will be registered for MGMT 100. It is a half-credit course taken in addition to the ordinary four course load.