## General Education Requirements: 42 Hours

<table>
<thead>
<tr>
<th>Area</th>
<th>Hours</th>
<th>To be selected from:</th>
</tr>
</thead>
<tbody>
<tr>
<td>English Composition &amp; Oral Communication</td>
<td>6</td>
<td>ENGL 1113 or 1313; &amp; 1213 or 1413 or 3323 (See Academic Regulation 3.5 in Catalog)</td>
</tr>
<tr>
<td>American History &amp; Government</td>
<td>6</td>
<td>HIST 1103; POLS 1113</td>
</tr>
<tr>
<td>Analytical &amp; Quantitative Thought (A)</td>
<td>7</td>
<td>MATH 2144 &amp; 2153</td>
</tr>
<tr>
<td>Humanities (H)</td>
<td>6</td>
<td>Courses designated (H)</td>
</tr>
<tr>
<td>Natural Sciences (N)</td>
<td>8</td>
<td>CHEM 1314; PHYS 1114 or 2014</td>
</tr>
<tr>
<td>Social &amp; Behavioral Sciences (S)</td>
<td>6</td>
<td>Courses designated (S)</td>
</tr>
<tr>
<td>Diversity (D)</td>
<td>--</td>
<td>Course designated (D) (see note 1.b.)</td>
</tr>
<tr>
<td>International Dimension (I)</td>
<td>--</td>
<td>Course designated (I) (see note 1.b.)</td>
</tr>
<tr>
<td>Scientific Investigation (L)</td>
<td>--</td>
<td>Course designated (L) (see note 1.b.)</td>
</tr>
<tr>
<td>Controlled Electives</td>
<td>3</td>
<td>SPCH 2713</td>
</tr>
</tbody>
</table>

## College/Departmental Requirements: 26 Hours

| Orientation | 1 | A&S 1111 (transfer students with 15 hours exempt) |
| Arts and Humanities | 3 | (see note 2.a.) |
| Natural & Mathematical Sciences | 22 | BIOL 1114, CHEM 1515, MICR 2123, 2132, PHYS 1214 or 2114, ZOOL 1604 (or BOT 1404)|

## Major Requirements: 42 Hours

Minimum GPA 2.00, Minimum GPA in BIOC courses 2.00.

- BIOC 3713, 3723, 3813, 4224 (or CHEM 3433), 4883, 4990 (2 hours)
- BIOL 3023 (or ANSI 3423 or PLNT 3554)
- CHEM 2113, 3053, 3112, 3153
- At least one course from:
  - BOT 3463, ENTO 3044, ZOOL 3204, ZOOL 4215
- Hours from the following or related courses to total 42 hours:
  - ANSI 3543
  - BIOC 1990 (1-2 hours), 2101, 2200 (1-6 hours), *4990 (1-8 hours), 5753, 5853
  - BIOL 3034
  - BOT 3462
  - CHEM 2122, 3553, 3553, 4020 (1-5 hours), 4320 (1-3 hours)
  - ENTO 4854
  - MATH 2163, 2233, 3013
  - MICR 3143, 3154, 3223, 3253, 4012, 4112, 4123, 4133, 4134, 4203, 4214, 4233, 4253, 4263, 4323, 4353, 4423
  - NSCI 4323
  - PHYS 4313
  - STAT 4013
  - ZOOL 2104, 3114, 4133, 4134, 4223, 4273, 4283, 4293, 4303, 4503
  - With approval from the adviser and department head, maximum of 30 hours of science courses from an accredited doctoral health program (including chiropractic, dentistry, medicine, optometry, pharmacy, podiatry, or veterinary medicine) may be substituted for major requirements other than BIOC 3713, 3723, 3813.

*total from BIOC 1990 & 4990 may not exceed 10 hours.

## Electives: 10 Hours

All electives plus 7 hours general education or college/departmental requirements may need to be upper-division.
1. GENERAL EDUCATION REQUIREMENTS
   a. No more than two courses (or eight hours) from the same course prefix may be used to meet General Education Analytical and Quantitative Thought (A) and Natural Sciences (N) combined with College and Departmental Natural and Mathematical Sciences.
      No more than two courses (or six hours) from the same course prefix may be used to meet General Education Humanities (H) combined with College and Departmental Arts and Humanities.
      The General Education Controlled Elective and one required MATH course do not count against the two-course maximum.
   b. The Diversity, International Dimension, Scientific Investigation and Non-Western requirements may be satisfied by courses also used to satisfy any part of a student's degree program (i.e., in General Education, College Departmental Requirements, Major Requirements or Electives).
   c. Courses in the major prefix may not be used to satisfy the College requirement for six hours upper-division General Education.

2. A&S COLLEGE/DEPARTMENTAL REQUIREMENTS
   a. Arts and Humanities are defined as any course carrying an (H) designation or courses from ART, MUSI, PHIL (except 1313 and 3003), REL, TH, creative writing, foreign languages (second year and above), linguistics and literature.
   b. Natural and Mathematical Sciences are defined as any course from the following prefixes: ASTR, BIOC, BIOL, BOT, CHEM, CS (except 4883), GEOF, MATH, MICR, PHYS, STAT and ZOOL; or courses from other departments that carry an (A) or (N) general education designation.
   c. Non-Western Studies Requirement for B.A. and B.F.A. (see 1.b. above). One 3-hour course in Non-Western Studies from:
      A&S 2000 (Intro to African Studies); ANTH 3443, 4223; ART 3693, 4603, 4653, 4663, 4673, 4683; ECON 4643; ENGL 3173, 3183; ENGL 3190 (African Novel); FLL 4500 (Advanced Japanese); GEOG 3053, 3753, 3763, 3783; HIST 1713, 3013, 3053, 3203, 3403, 3413, 3423, 3433, 3503, 3513, 3523, 3543, 3553; HONR 3033; JAPN 1225, 2113, 2223; MUSI 3583; PHIL 3943; POLS 3053, 3223, 3313; REL 3573, 3613, 4050 (Understanding Islam), 4113; RUSS 3053; SOC 4533, 4950 (Gender in the Middle East).

3. FOREIGN LANGUAGE PROFICIENCY
   a. The foreign language requirement for the B.A. may be satisfied by 10 hours college credit in the same language, or equivalent proficiency (e.g., passing an advanced standing examination; completing a second-year or higher college-level course in the language, etc.).
   b. The foreign language requirement for the B.S., B.M. and B.F.A. may be satisfied by presenting a high school transcript which demonstrates two years of study of a single foreign language (passing grades at second year level of study). It may also be satisfied by any of the options listed above for the B.A.

4. EXCLUSIONS
   a. Courses used to satisfy the English Composition, American History and Government requirement will not count toward the 48 hour maximum allowed under one prefix.
   b. Courses with ATHL prefix and leisure activity courses may not be used for degree credit in the College of Arts & Sciences.

5. TEACHER CERTIFICATION
   Students can satisfy the requirements for secondary schools teaching certification while earning a B.A. or B.S. in the College of Arts & Sciences. Those interested should see their Arts and Sciences adviser and the OSU Professional Education Unit in room 325 Willard.