

Equity and Justice UCORE: Summary of Catalog Updates

College of Arts and Sciences (no. 1)

Faculty Senate approved January 19, 2023

Summary of Catalog Updates for:

Anthropology; Biological Sciences; Chemistry; Criminal Justice and Criminology; Environment; History; Languages, Cultures, and Race; Physics and Astronomy

The following schedules of studies reflect the updates to the *WSU Catalog* 4-year plans in response to the new Equity and Justice [EQJS] UCORE designation. The updates have been reviewed and approved by the respective departments and college leadership. The effective date is fall 2023 for incoming students.

The College of Arts and Sciences will require all 7 Ways of Knowing designations for CAS students (ARTS, BSCI, DIVR, EQJS, HUM, PSCI, and SSCI), but will drop the current “additional 3 credits of ARTS/HUM/SSCI” to make this credit-neutral.

The other UCORE designations have not changed, and CAS will continue to require the additional lab credit.

ADVISORY NOTE: The updates below do not reflect any requirement changes that are in process for next year’s catalog. Any requirement changes will be updated with the EQJS information once approved.

Department	Summary of updated schedules of studies for EQJS																										
Anthropology	<p>Anthropology (120 Credits)</p> <p>First Year</p> <table border="0"> <tr> <td><i>First Term</i></td> <td style="text-align: right;"><i>Credits</i></td> </tr> <tr> <td>ANTH 203 [DIVR]</td> <td style="text-align: right;">3</td> </tr> <tr> <td>Biological Sciences [BSCI] with lab¹</td> <td style="text-align: right;">4</td> </tr> <tr> <td>Communication [COMM] or Written Communication [WRTG]</td> <td style="text-align: right;">3</td> </tr> <tr> <td>ENGLISH 101 [WRTG]</td> <td style="text-align: right;">3</td> </tr> <tr> <td>Foreign Language, if necessary, or Elective²</td> <td style="text-align: right;">3 or 4</td> </tr> <tr> <td><i>Second Term</i></td> <td style="text-align: right;"><i>Credits</i></td> </tr> <tr> <td>ANTH 260</td> <td style="text-align: right;">4</td> </tr> <tr> <td>Foreign Language, if necessary, or Elective²</td> <td style="text-align: right;">3 or 4</td> </tr> <tr> <td>HISTORY 105 [ROOT]</td> <td style="text-align: right;">3</td> </tr> <tr> <td>Quantitative Reasoning [QUAN]³</td> <td style="text-align: right;">3 or 4</td> </tr> </table> <p>Second Year</p> <table border="0"> <tr> <td><i>First Term</i></td> <td style="text-align: right;"><i>Credits</i></td> </tr> <tr> <td>ANTH 230</td> <td style="text-align: right;">3</td> </tr> </table>	<i>First Term</i>	<i>Credits</i>	ANTH 203 [DIVR]	3	Biological Sciences [BSCI] with lab ¹	4	Communication [COMM] or Written Communication [WRTG]	3	ENGLISH 101 [WRTG]	3	Foreign Language, if necessary, or Elective ²	3 or 4	<i>Second Term</i>	<i>Credits</i>	ANTH 260	4	Foreign Language, if necessary, or Elective ²	3 or 4	HISTORY 105 [ROOT]	3	Quantitative Reasoning [QUAN] ³	3 or 4	<i>First Term</i>	<i>Credits</i>	ANTH 230	3
<i>First Term</i>	<i>Credits</i>																										
ANTH 203 [DIVR]	3																										
Biological Sciences [BSCI] with lab ¹	4																										
Communication [COMM] or Written Communication [WRTG]	3																										
ENGLISH 101 [WRTG]	3																										
Foreign Language, if necessary, or Elective ²	3 or 4																										
<i>Second Term</i>	<i>Credits</i>																										
ANTH 260	4																										
Foreign Language, if necessary, or Elective ²	3 or 4																										
HISTORY 105 [ROOT]	3																										
Quantitative Reasoning [QUAN] ³	3 or 4																										
<i>First Term</i>	<i>Credits</i>																										
ANTH 230	3																										

Arts [ARTS]	3
Physical Sciences [PSCI] with lab ¹	4
Social Sciences [SSCI]	3
Electives	3
<i>Second Term</i>	<i>Credits</i>
ANTH Electives ⁴	6
Arts [ARTS], Humanities [HUM], or Social Sciences [SSCI]	3
Equity and Justice [EQJS]	3
Electives	6
Complete Writing Portfolio	
Third Year	
<i>First Term</i>	<i>Credits</i>
ANTH 390 [M]	3
ANTH Elective ⁴	3
Humanities [HUM]	3
Electives	6
<i>Second Term</i>	<i>Credits</i>
300-400-level Electives ⁵	9
ANTH Electives ⁴	6
Consider study abroad or summer field school	
Fourth Year	
<i>First Term</i>	<i>Credits</i>
300-400-level Electives ⁵	12
ANTH Elective ⁴	3
<i>Second Term</i>	<i>Credits</i>
300-400-level Electives ⁵	9
ANTH 490 [CAPS] [M]	3
Electives	3

Footnotes

¹ To meet University and College of Arts and Sciences requirements, students must take a [BSCI] course with lab and [PSCI] course with lab.

² Two years of one foreign language from high school or one year at college required.

³ STAT 212 preferred.

⁴ ANTH Electives (18 credits required): Minimum of 3 credits from each of the following areas: Archeology: ANTH 300, 330, 331, 334, 336, 340, 370, 430; Biological: ANTH 268, 380, 381, 463, 464, 465, 466, 469, 473; Cultural: ANTH

300, 301, 302, 303, 304, 305, 307, 309, 316, 320, 327, 402, 404, 405, 417, 418;
Linguistics: ANTH 350, 355, 450.

⁵ Concentrating electives beginning in the junior year in one sub-area of anthropology or in a minor discipline in consultation with the adviser is recommended.

Human Biology, BA (120 Credits)

First Year

<i>First Term</i>	<i>Credits</i>
ANTH 203 [DIVR]	3
BIOLOGY 106 [BSCI]	4
CHEM 101 or 105 [PSCI]	4
ENGLISH 101 [WRTG]	3
<i>Second Term</i>	<i>Credits</i>
BIOLOGY 107	4
CHEM 102 or 106	4
HISTORY 105 [ROOT]	3
STAT 212 [QUAN]	4

Second Year

<i>First Term</i>	<i>Credits</i>
ANTH 260	4
Arts [ARTS]	3
Communication [COMM] or Written Communication [WRTG]	3
Social Sciences [SSCI]	3
Major Elective ^{1,2}	3
<i>Second Term</i>	<i>Credits</i>
Arts [ARTS], Humanities [HUM], or Social Sciences [SSCI] ³	3
Equity and Justice [EQJS]	3
BIOLOGY 301	4
Human Behavior Requirement ⁴	3
Science and Society Requirement ⁵	3
Major Elective ^{1,2}	3
Complete Writing Portfolio	

Third Year

<i>First Term</i>	<i>Credits</i>
Genetics and Evolution Requirement ⁶	3

Human Behavior Requirement ⁴	3
Humanities [HUM]	3
Foreign Language, if needed, and/or Major Electives ^{1,2,7}	6
<i>Second Term</i> <i>Credits</i>	
Genetics and Evolution Requirement ⁶	3
Writing in the Major [M] course ⁸	2-4
Foreign Language, if needed, and/or Major Electives ^{1,2,7}	9
Fourth Year	
<i>First Term</i> <i>Credits</i>	
Human Cultural Diversity Requirement ⁹	3
Integrative Capstone [CAPS] ¹⁰	3 or 4
Writing in the Major [M] course	2-4
Major Electives and/or Electives ^{1,2,11}	7
<i>Second Term</i> <i>Credits</i>	
Major Electives and/or Electives ^{1,2,11}	15
Complete School of Biological Sciences Exit Survey	

Footnotes

- ¹ Major Electives (18 credits) approved courses include: ANTH 301, 303, 304, 305, 330, 331, 340 [M], 380, 404, 405, 495, 498, 499; BIOLOGY 251 or 353, 315, 321 [M], 333, 340 [M], 354, 372, 476, 491, 495, 499; H D 220; MBIOS 303, 305, 405, 446; PSYCH 320, 361. 363; and any ANTH or BIOLOGY course listed in the Science and Society, Genetics and Evolution, Human Behavior, and Human Cultural Diversity modules that were not taken to satisfy the requirement in those areas.
- ² A maximum of 4 credits of coursework that are graded S,F (ANTH 498, 499; BIOLOGY 491, 495, 499) may be used toward fulfilling Major Electives.
- ³ An additional [ARTS], [HUM], or [SSCI] is required by the College of Arts and Sciences.
- ⁴ Human Behavior Requirement (6 credits) approved courses include: ANTH 268, 381, 466; BIOLOGY 307, 438; PSYCH 230, 321, 324, 372.
- ⁵ Science and Society Requirement (3 credits) approved courses include: ANTH 309; BIOLOGY 330; PHIL 350, 365, 370; SOC 331, 332; SOE 390, 402, 444.
- ⁶ Genetics and Evolution Requirement (6 credits) approved courses include: ANTH 302, 463, 469; BIOLOGY 335, no more than one from BIOLOGY 395, 403, or 405; MBIOS 423.
- ⁷ Two years of high school foreign language or at least two semesters of college-level foreign language are required by the College of Arts and Sciences for graduation.
- ⁸ [M] courses must be chosen from ANTH or BIOLOGY.

- ⁹ Human Cultural Diversity Requirement (3 credits) approved courses include: ANTH 201, 307, 316, 320, 327.
- ¹⁰ Integrated Capstone [CAPS] course must be chosen from either ANTH 464, 473 [M], 490 [M], BIOLOGY 401, 408, 473 [M], or 483 [M].
- ¹¹ Electives must include sufficient 300-400-level coursework to meet the University requirement of 40 credits of upper-division coursework.

Biological Sciences

Biology – Basic Medical Sciences (120 Credits)

First Year

<i>First Term</i>	<i>Credits</i>
BIOLOGY 106 [BSCI] or 107 [BSCI] ¹	4
CHEM 105 [PSCI]	4
Diversity [DIVR]	3
ENGLISH 101 [WRTG]	3

<i>Second Term</i>	<i>Credits</i>
BIOLOGY 106 or 107 ¹	4
CHEM 106	4
HISTORY 105 [ROOT]	3
MATH 140 [QUAN] or 171 [QUAN]	4

Second Year

<i>First Term</i>	<i>Credits</i>
Arts [ARTS]	3
BIOLOGY 301	4
CHEM 345	4
Electives ^{2,3}	4

<i>Second Term</i>	<i>Credits</i>
BIOLOGY 370 [M] or 372 [M] ¹	4
CHEM 348	4
Social Sciences [SSCI]	3
Electives ^{2,3}	4
Complete Writing Portfolio	

Third Year

<i>First Term</i>	<i>Credits</i>
BIOLOGY 395, 403, or 405 ¹	3
Communication [COMM] or Written Communication [WRTG]	3
Program Option Elective ⁴	3 or 4

Foreign Language or Electives ^{2,3,5}	4
<i>Second Term</i>	
CHEM 370 or MBIOS 303 ⁶	3 or 4
PHIL 365 [HUM]	3
Program Option Elective ⁴	3 or 4
Foreign Language or Electives ^{2,3,5}	4
Electives	3
Fourth Year	
<i>First Term</i>	
Arts [ARTS], Humanities [HUM], or Social Sciences [SSCI]	3
Equity and Justice [EQJS]	3
Program Option Elective ⁷	2 or 0
Electives ^{2,3}	12
<i>Second Term</i>	
BIOLOGY 473 [CAPS] [M], 483 [CAPS] [M], or 489 [CAPS] [M] ⁸	3
Electives ^{2,3}	12

Footnotes

- ¹ All biology majors must complete 19 credits of Biology Core courses (BIOLOGY 106; 107; 301; 370 [M] or 372 [M]; one from 395, 403, or 405); and 21 credits of option requirements or electives. These must include 15 upper-division credits, 6 of which must be a BIOLOGY prefix taken in residence at WSU. Approved courses include 200-400-level BIOLOGY courses except those used to fulfill core requirements. A maximum of 4 credits of coursework graded S/F may be used toward fulfilling departmental requirements or program options and must be approved by advisor. Coursework must include a total of two BIOLOGY [M] courses and sufficient 300-400-level coursework to meet the University requirement of 40 upper division credits.
- ² Students are encouraged to pursue a minor in other areas of more in-depth science minor.
- ³ PHYSICS 101/111 and 102/112 may be required for entrance to a graduate or professional program. Check with your advisor.
- ⁴ Program Option Electives (8 credits required): Approved courses are BIOLOGY 315, 321, 324, 350, 352, 353, 393, 418; ENGLISH 402, MBIOS 304, 305, 401, 413, 414, 423, 440, 442, 446; NEUROSCI 301, 403, 404, and 430.
- ⁵ Two years of high school foreign language or at least two semesters of college-level foreign language are required by the College of Arts and Sciences for graduation.
- ⁶ An elective may be substituted for PHYSICS 101/111 and 102/112 if it is not required for entrance to a graduate or professional program.

⁷ Degree Program Electives (8 credits required): Approved courses are BIOLOGY 315, 321 [M], 324, 350, 352, 353, 393 [M], one from 395 or 403 or 405, 418 [M]; MBIOS 304, 305, 401, 413, 414, 423, 440, 442, 446; NEUROSCI 301, 403 [M], 404, and 430 [M].

⁸ Students in Honors College complete HONORS 450 in lieu of a BIOLOGY [CAPS] course.

Biology – Ecology and Evolutionary Biology Option (120 Credits)

First Year

<i>First Term</i>	<i>Credits</i>
BIOLOGY 106 [BSCI] or 107 [BSCI] ¹	4
CHEM 105 [PSCI]	4
Diversity [DIVR]	3
ENGLISH 101 [WRTG]	3

<i>Second Term</i>	<i>Credits</i>
BIOLOGY 106 or 107 ¹	4
CHEM 106	4
HISTORY 105 [ROOT]	3
MATH 140 [QUAN] or 171 [QUAN]	4

Second Year

<i>First Term</i>	<i>Credits</i>
BIOLOGY 301 ¹	4
CHEM 345	4
Humanities [HUM]	3
Social Sciences [SSCI]	3

<i>Second Term</i>	<i>Credits</i>
Arts [ARTS]	3
BIOLOGY 395, 403, or 405 ¹	3
Program Option Course: Ecology or Evolution Emphasis ²	3 or 4
STAT 212, 412, or PSYCH 311	3 or 4
Electives	3
Complete Writing Portfolio	

Third Year

<i>First Term</i>	<i>Credits</i>
-------------------	----------------

BIOLOGY 370 [M] or 372 [M] ¹	4
PHYSICS 101 or 201	3
PHYSICS 111 or 211	1
Program Option Course: Physiology Emphasis ²	3 or 4
Foreign Language or Electives ³	4
<i>Second Term</i>	<i>Credits</i>
Communication [COMM] or Written Communication [WRTG]	3
PHYSICS 102 or 202	3
PHYSICS 112 or 212	1
Program Option Course, Ecology or Evolution Emphasis ²	3 or 4
Foreign Language or Electives ³	4
Electives	3
Fourth Year	
<i>First Term</i>	<i>Credits</i>
BIOLOGY 473 [CAPS] [M], 483 [CAPS] [M], or 489 [CAPS] [M] ⁴	3
Program Option Course: Ecology or Evolution Emphasis ^{2,2,5}	3 or 4
Electives	9
<i>Second Term</i>	<i>Credits</i>
Arts [ARTS], Humanities [HUM], or Social Sciences [SSCI]	3
Equity and Justice [EQJS]	3
Program Option Course: Ecology or Evolution Emphasis, or Electives ^{2,5}	3
Electives	9
Complete School of Biological Sciences Exit Survey	

Footnotes

¹ All biology majors must complete 19 credits of Biology Core courses (BIOLOGY 106; 107; 301; 370 [M] or 372 [M]; one from 395, 403, or 405); and 21 credits of option requirements or electives. These must include 15 upper-division credits, 6 of which must be a BIOLOGY prefix taken in residence at WSU. Approved courses include 200-400-level BIOLOGY courses except those used to fulfill core requirements. A maximum of 4 credits of coursework graded S/F may be used toward fulfilling departmental requirements or program options and must be approved by advisor. Coursework must include a total of two BIOLOGY [M] courses and sufficient 300-400-level coursework to meet the University requirement of 40 upper division credits.

² Ecology and Evolution Option requirements include one course from the Physiology Emphasis area (BIOLOGY 350 or BIOLOGY 420); 12 total credits from the Ecology Emphasis (BIOLOGY 330, 410, 462, 469, 483 [CAPS]) and the Evolution/Organismal Emphasis (BIOLOGY 322, 324, 332, 335, 408 [CAPS], 409, 412, 418, 423, 428, 432, 438). At least one course must be from

the Ecology Emphasis and one course from the Evolution/Organismal Emphasis.

³ Two years of high school foreign language or at least two semesters of college-level foreign language are required by the College of Arts and Sciences for graduation.

⁴ Students in Honors College complete HONORS 450 in lieu of a BIOLOGY [CAPS] course.

⁵ All biology majors must complete 21 semester credits of biological coursework including 15 upper-division credits, 6 of which must be a BIOLOGY prefix taken in residence at WSU. Approved courses include 200-400-level BIOLOGY courses except those used to fulfill core requirements (BIOLOGY 106, 107, 301, 370 [M] or 372 [M], one from 395, 403, or 405), and any courses approved by advisor. A maximum of 4 credits of coursework graded S/F may be used toward fulfilling departmental requirements or program options and must be approved by advisor. Coursework must include a total of two BIOLOGY [M] courses and sufficient 300-400-level coursework to meet the University requirement of 40 upper division credits.

Biology – Education Option (120 Credits)

First Year

<i>First Term</i>	<i>Credits</i>
Arts [ARTS]	3
BIOLOGY 106 [BSCI]	4
CHEM 105 [PSCI] ¹	4
HISTORY 105 [ROOT]	3
<i>Second Term</i>	<i>Credits</i>
BIOLOGY 107	4
CHEM 106	4
ENGLISH 101 [WRTG]	3
ENGR 120	2
Humanities [HUM]	3

Second Year

<i>First Term</i>	<i>Credits</i>
BIOLOGY 301	4
CHEM 345	4
Diversity [DIVR]	3
TCH LRN 301	3
Foreign Language, if needed ²	0 - 4

<i>Second Term</i>	<i>Credits</i>
CHEM 370 or MBIOS 303	3 or 4
Communication [COMM] or Written Communication [WRTG]	3
MATH 140 [QUAN] or 171 [QUAN] ¹	4
PSYCH 105 [SSCI]	3
Foreign Language, if needed, or Electives ²	3 or 4
Complete Writing Portfolio	
Third Year	
<i>First Term</i>	<i>Credits</i>
<u>Arts [ARTS], Humanities [HUM], or Social Sciences [SSCI]</u>	<u>3</u>
<u>Equity and Justice [EQJS]</u>	<u>3</u>
BIOLOGY 370 [M] or 372 [M]	4
PHYSICS 101 or 201	3
PHYSICS 111 or 211	1
Program Electives ³	4
<i>Second Term</i>	<i>Credits</i>
PHYSICS 102 or 202	3
PHYSICS 112 or 212	1
TCH LRN 465	3
Program Option Requirements ⁴	3 or 4
Program Electives ³	4
Fourth Year	
<i>First Term</i>	<i>Credits</i>
BIOLOGY/TCH LRN 430	3
STAT 212, 412, or PSYCH 311	3 or 4
TCH LRN 467 [M]	3
TCH LRN 470	3
Program Electives ³	4
<i>Second Term</i>	<i>Credits</i>
BIOLOGY [CAPS] or HONORS 450 ⁵	3
BIOLOGY 403 or 405	3
BIOLOGY/TCH LRN 431	3
Program Option Requirements ⁴	3 or 4
Program Electives or Electives ³	3
Complete School of Biological Sciences Exit Survey	

Footnotes

- ¹ MATH 106 may be taken as a pre-/co-requisite to CHEM 105 and other MATH courses. MATH 108 may also be needed.
- ² Two years of high school foreign language or at least two semesters of college-level foreign language are required by the College of Arts and Sciences for graduation.
- ³ Beyond the core requirements (BIOLOGY 106, 107, 301, 370 [M] or 372 [M], one from 395, 403, or 405, BIOLOGY [CAPS] or HONORS 450), all biology majors must complete 21 semester credits of biological coursework including 15 upper-division credits, 6 of which must be a BIOLOGY prefix taken in residence at WSU. Approved courses include 200-400-level BIOLOGY courses except those used to fulfill core requirements, and any courses approved by advisor. A maximum of 4 credits of coursework graded S/F may be used toward fulfilling departmental requirements or program options and must be approved by advisor.
- ⁴ Program Option requirements include one Biology Plant Elective (BIOLOGY 332[M], 401[CAPS], 409, or 420) and one Biology Animal Elective (BIOLOGY 322[M], 324, 423, 428, 432[M], or 438[M]). To obtain an additional general science endorsement students need to pass a general science exam (e.g., Chemistry, Physics, Biology, Earth and Space science). Students may consider taking one or more of the following courses to prepare them for general science endorsement exam: ASTRONOM 135, GEOLOGY 102, 210.
- ⁵ Students in Honors College complete HONORS 450 in lieu of a BIOLOGY [CAPS] course.

Biology – Entomology Option (120 Credits)

First Year

<i>First Term</i>	<i>Credits</i>
BIOLOGY 106 [BSCI] or 107 [BSCI] ¹	4
CHEM 105 [PSCI]	4
Diversity [DIVR]	3
ENGLISH 101 [WRTG]	3

<i>Second Term</i>	<i>Credits</i>
BIOLOGY 106 or 107 ¹	4
CHEM 106	4
HISTORY 105 [ROOT]	3
MATH 140 [QUAN] or 171 [QUAN]	4

Second Year

<i>First Term</i>	<i>Credits</i>
Arts [ARTS]	3

BIOLOGY 301 ¹	4
CHEM 345	4
ENTOM 343	3
<i>Second Term</i>	<i>Credits</i>
BIOLOGY 395, 403, or 405 ¹	3
Humanities [HUM]	3
Social Sciences [SSCI]	3
STAT 212, 412, or PSYCH 311	3 or 4
Program Option Course: Biochemistry Emphasis ^{2,3}	3 or 4
Complete Writing Portfolio	
Third Year	
<i>First Term</i>	<i>Credits</i>
BIOLOGY 370 [M] or 372 [M] ¹	4
PHYSICS 101 or 201	3
PHYSICS 111 or 211	1
Program Option Course: Animal Biology Emphasis ³	4
Foreign Language or Electives ⁴	4
<i>Second Term</i>	<i>Credits</i>
Arts [ARTS], Humanities [HUM], or Social Sciences [SSCI]	3
Equity and Justice [EQJS]	3
PHYSICS 102 or 202	3
PHYSICS 112 or 212	1
Program Option Course: Plant Biology Emphasis ³	3
Foreign Language or Electives ⁴	6
Fourth Year	
<i>First Term</i>	<i>Credits</i>
BIOLOGY 473 [CAPS] [M], 483 [CAPS] [M], or 489 [CAPS] [M] ⁵	3
Communication [COMM] or Written Communication [WRTG]	3
Program Option Course: Entomology Emphasis ³	3
Electives	6
<i>Second Term</i>	<i>Credits</i>
Program Option Course: Entomology Emphasis ³	3
Electives	12
Complete School of Biological Sciences Exit Survey	
Footnotes	

- ¹ All biology majors must complete 19 credits of Biology Core courses (BIOLOGY 106; 107; 301; 370 [M] or 372 [M]; one from 395, 403, or 405); and 21 credits of option requirements or electives. These must include 15 upper-division credits, 6 of which must be a BIOLOGY prefix taken in residence at WSU. Approved courses include 200-400-level BIOLOGY courses except those used to fulfill core requirements. A maximum of 4 credits of coursework graded S/F may be used toward fulfilling departmental requirements or program options and must be approved by advisor. Coursework must include a total of two BIOLOGY [M] courses and sufficient 300-400-level coursework to meet the University requirement of 40 upper division credits.
- ² Entomology Program option electives include 6 credits of 300-400-level ENTOM courses excluding ENTOM 343.
- ³ Entomology Option Requirements include one course from the Biochemistry Emphasis (CHEM 370 or MBIOS 303); one course from the Plant Biology Emphasis area (BIOLOGY 332[M] or 420); one course from the Animal Biology Emphasis area (BIOLOGY 322, 350, or 418) and two courses from the Entomology Emphasis (any ENTOM-prefix, upper division course).
- ⁴ Two years of high school foreign language or at least two semesters of college-level foreign language are required by the College of Arts and Sciences for graduation.
- ⁵ Students in Honors College complete HONORS 450 in lieu of a BIOLOGY [CAPS] course.

Biology – General Option (120 Credits)

First Year

<i>First Term</i>	<i>Credits</i>
BIOLOGY 106 [BSCI] or 107 [BSCI] ¹	4
CHEM 105 [PSCI]	4
Diversity [DIVR]	3
ENGLISH 101 [WRTG]	3

<i>Second Term</i>	<i>Credits</i>
BIOLOGY 106 or 107 ¹	4
CHEM 106	4
HISTORY 105 [ROOT]	3
MATH 140 [QUAN] or 171 [QUAN]	4

Second Year

<i>First Term</i>	<i>Credits</i>
Arts [ARTS]	3
BIOLOGY 301 ¹	4

CHEM 345	4
Humanities [HUM]	3
<i>Second Term</i>	<i>Credits</i>
BIOLOGY 370 [M] or 372 [M] ¹	4
Program Option Course: Biochemistry Emphasis ²	3 or 4
Social Sciences [SSCI]	3
STAT 212, 412, or PSYCH 311	3 or 4
Electives	3
Complete Writing Portfolio	
Third Year	
<i>First Term</i>	<i>Credits</i>
BIOLOGY 395, 403, or 405 ¹	3
Communication [COMM] or Written Communication [WRTG]	3
PHYSICS 101 or 201	3
PHYSICS 111 or 211	1
Program Option Courses: Cell Biology Emphasis ²	3
Foreign Language or Electives ³	4
<i>Second Term</i>	<i>Credits</i>
Arts [ARTS], Humanities [HUM], or Social Sciences [SSCI]	3
Equity and Justice [EQJS]	3
PHYSICS 102 or 202	3
PHYSICS 112 or 212	1
Program Option or Electives	3 or 4
Foreign Language or Electives ³	4
Fourth Year	
<i>First Term</i>	<i>Credits</i>
BIOLOGY 473 [CAPS] [M], 483 [CAPS] [M], or 489 [CAPS] [M] ⁴	3
Program Option or Electives ²	6 - 8
Electives	6
<i>Second Term</i>	<i>Credits</i>
Program Option or Electives ²	6 - 8
Electives	9
Complete School of Biological Sciences Exit Survey	

Footnotes

¹ All biology majors must complete 19 credits of Biology Core courses (BIOLOGY 106; 107; 301; 370 [M] or 372 [M]; one from 395, 403, or 405);

and 21 credits of option requirements or electives. These must include 15 upper-division credits, 6 of which must be a BIOLOGY prefix taken in residence at WSU. Approved courses include 200-400-level BIOLOGY courses except those used to fulfill core requirements. A maximum of 4 credits of coursework graded S/F may be used toward fulfilling departmental requirements or program options and must be approved by advisor. Coursework must include a total of two BIOLOGY [M] courses and sufficient 300-400-level coursework to meet the University requirement of 40 upper division credits.

² General Biology Option Electives include a minimum of 15 credits of Biological Science selected in consultation with a biology advisor. These should include coursework to fulfill the University requirement of 40 upper division credits.

³ Two years of high school foreign language or at least two semesters of college-level foreign language are required by the College of Arts and Sciences for graduation.

⁴ Students in Honors College complete HONORS 450 in lieu of a BIOLOGY [CAPS] course.

Biology – Plant Biology Option (120 Credits)

First Year

<i>First Term</i>	<i>Credits</i>
BIOLOGY 106 [BSCI] or 107 [BSCI] ¹	4
CHEM 105 [PSCI]	4
Diversity [DIVR]	3
ENGLISH 101 [WRTG]	3

<i>Second Term</i>	<i>Credits</i>
BIOLOGY 106 or 107 ¹	4
CHEM 106	4
HISTORY 105 [ROOT]	3
MATH 140 [QUAN] or 171 [QUAN]	4

Second Year

<i>First Term</i>	<i>Credits</i>
Arts [ARTS]	3
BIOLOGY 301 ¹	4
CHEM 345	4
Humanities [HUM]	3

<i>Second Term</i>	<i>Credits</i>
BIOLOGY 370 [M] or 372 [M] ¹	4
Social Sciences [SSCI]	3

STAT 212, 412, or PSYCH 311	3 or 4
Electives	4
Complete Writing Portfolio	
Third Year	
<i>First Term</i>	<i>Credits</i>
BIOLOGY 395, 403, or 405 ¹	3
BIOLOGY 420	3
Communication [COMM] or Written Communication [WRTG]	3
PHYSICS 101 or 201	3
PHYSICS 111 or 211	1
Foreign Language or Electives ²	4
<i>Second Term</i>	<i>Credits</i>
Arts [ARTS], Humanities [HUM], or Social Sciences [SSCI]	3
Equity and Justice [EQJS]	3
BIOLOGY 332 [M]	4
PHYSICS 102 or 202	3
PHYSICS 112 or 212	1
Foreign Language or Electives ²	4
Fourth Year	
<i>First Term</i>	<i>Credits</i>
BIOLOGY 409	4
BIOLOGY 473 [CAPS] [M], 483 [CAPS] [M], or 489 [CAPS] [M] ^{1,4}	3
Program Option Courses or Electives ³	3
Electives	6
<i>Second Term</i>	<i>Credits</i>
BIOLOGY 462 or 469	3
Program Option or Electives ³	4
Electives	8
Complete School of Biological Sciences Exit Survey	

Footnotes

¹ All biology majors must complete 19 credits of Biology Core courses (BIOLOGY 106; 107; 301; 370 [M] or 372 [M]; one from 395, 403, or 405); and 21 credits of option requirements or electives. These must include 15 upper-division credits, 6 of which must be a BIOLOGY prefix taken in residence at WSU. Approved courses include 200-400-level BIOLOGY courses except those used to fulfill core requirements. A maximum of 4 credits of coursework graded S/F may be used toward fulfilling departmental requirements or program options and must be approved by advisor. Coursework must include a total of two

BIOLOGY [M] courses and sufficient 300-400-level coursework to meet the University requirement of 40 upper division credits.

² Two years of high school foreign language or at least two semesters of college-level foreign language are required by the College of Arts and Sciences for graduation.

³ Plant Biology Option Electives include a minimum of 7 credits of Biological Science selected in consultation with a biology advisor. These should include coursework to fulfill the University requirement of 40 upper division credits.

⁴ Students in Honors College complete HONORS 450 in lieu of a BIOLOGY [CAPS] course.

Biology – Pre-Physical Therapy / Pre-Occupational Therapy / Pre-Physician Assistant Option (120 Credits)

First Year

<i>First Term</i>	<i>Credits</i>
BIOLOGY 106 [BSCI]	4
CHEM 105 [PSCI] ¹	4
ENGLISH 101 [WRTG]	3
SOC 101 [SSCI]	3

<i>Second Term</i>	<i>Credits</i>
BIOLOGY 107	4
CHEM 106	4
HISTORY 105 [ROOT]	3
MATH 140 [QUAN] or 171 [QUAN] ¹	4

Second Year

<i>First Term</i>	<i>Credits</i>
ANTH 203 [DIVR] or Diversity [DIVR] ²	3
BIOLOGY 251 or 353	4
CHEM 345	4
PSYCH 105	3

<i>Second Term</i>	<i>Credits</i>
BIOLOGY 301	4
PHIL 365 [HUM]	3
PHYSICS 101 or 201	3

PHYSICS 111 or 211	1
STAT 212, 412, or PSYCH 311	3 or 4
Complete Writing Portfolio	
Third Year	
<i>First Term</i>	<i>Credits</i>
BIOLOGY 315 or 354	4
BIOLOGY 393 [M], 490 [M], or BIOLOGY [M] ^{2,3,4}	2 - 4
Foreign Language, if needed, or Program Emphasis Requirements ^{2,3,4,5}	3 or 4
PHYSICS 102 or 202	3
PHYSICS 112 or 212	1
PSYCH 333	3
<i>Second Term</i>	<i>Credits</i>
Arts [ARTS]	3
BIOLOGY 370 [M] 372 [M]	4
H D 101 or PSYCH 361 ^{2,3,4}	3
Foreign Language, if needed, and/or Electives ^{5,6}	6
Fourth Year	
<i>First Term</i>	<i>Credits</i>
ENGLISH 402 [WRTG]	3
Equity and Justice [EQJS]	3
Program Emphasis Requirements or Electives^{2,3,4,6}	12- 9
<i>Second Term</i>	<i>Credits</i>
BIOLOGY [CAPS] or HONORS 450 ⁷	3
BIOLOGY 395, 403, or 405	3
Program Emphasis Requirements or Electives ^{2,3,4,6}	10
Complete School of Biological Sciences Exit Survey	

Footnotes

- ¹ MATH 106 may be taken as a pre-/co-requisite to CHEM 105 and other MATH courses. MATH 108 may also be needed.
- ² Pre-Occupational Therapy Program emphasis (13 credits) includes ANTH 203, BIOLOGY 220, BIOLOGY 393 [M], COM 102, H D 101.
- ³ Pre-Physical Therapy Program emphasis (8-9 credits) includes BIOLOGY 393 [M] or 490 [M], KINES 380 or BIOLOGY 350 or BIOLOGY 352, PSYCH 361 or H D 101.
- ⁴ Pre-Physician Assistant Program emphasis (14-15 credits) includes CHEM 370 or MBIOS 303, MBIOS 304 or 306, MBIOS 305, PSYCH 361 or H D 101. Students in this emphasis will also need to complete a BIOLOGY [M] course to fulfill the University requirement of 2 [M] courses.

- ⁵ Two years of high school foreign language or at least two semesters of college-level foreign language are required by the College of Arts and Sciences for graduation.
- ⁶ Pre-Physical Therapy / Pre-Occupational Therapy / Pre-Physician Assistant Program emphasis courses should be selected in consultation with a biology advisor and include coursework to fulfill the University requirement of 40 upper division credits. In addition to core biology courses (BIOLOGY 106, 107, 301, 370 [M] or 372 [M]), one from 395, 403, or 405, BIOLOGY [CAPS] or HONORS 450), all biology majors must complete 21 semester credits of biological coursework including 15 upper-division credits, 6 of which must be a BIOLOGY prefix taken in residence at WSU. Approved program electives include CHEM 370, KINES 380, MBIOS 303, 304, 305, 306, PHIL 365, and 200-400-level BIOLOGY courses except those used to fulfill core requirements, and any courses approved by advisor. A maximum of 4 credits of coursework graded S/F may be used toward fulfilling departmental requirements.
- ⁷ Students in Honors College complete HONORS 450 in lieu of a BIOLOGY [CAPS] course.

Zoology – Accelerated Pre–Veterinary Option (121 Credits)

First Year

<i>First Term</i>	<i>Credits</i>
BIOLOGY 106 [BSCI] or 107 [BSCI] ¹	4
CHEM 105 [PSCI]	4
Diversity [DIVR]	3
ENGLISH 101 [WRTG]	3

<i>Second Term</i>	<i>Credits</i>
BIOLOGY 106 or 107 ¹	4
CHEM 106	4
HISTORY 105 [ROOT]	3
MATH 140 [QUAN] or 171 [QUAN]	4

Second Year

<i>First Term</i>	<i>Credits</i>
Arts [ARTS]	3
BIOLOGY 301 ¹	4
CHEM 345	4
STAT 212, 412, or PSYCH 311	3 or 4

<i>Second Term</i>	<i>Credits</i>
--------------------	----------------

BIOLOGY 395, 403, or 405 ¹	3
CHEM 370 or MBIOS 303	3 or 4
Communication [COMM] or Written Communication [WRTG]	3
PHYSICS 101 or 201	3
PHYSICS 111 or 211	1
Complete Writing Portfolio	

Third Year

<i>First Term</i>	<i>Credits</i>
BIOLOGY 321 [M] or BIOLOGY 322 [M] ¹	4
PHYSICS 102 or 202	3
PHYSICS 112 or 212	1
Program Option Course: Development Emphasis; or Humanities [HUM] ²	3 or 4
Social Sciences [SSCI]	3
Foreign Language or Elective ³	3

<i>Second Term</i>	<i>Credits</i>
Arts [ARTS], Humanities [HUM], or Social Sciences [SSCI]	3
Equity and Justice [EQJS]	3
BIOLOGY 473 [CAPS] [M], 483 [CAPS] [M], or 489 [CAPS] [M] ⁴	3
Program Option Course: Development Emphasis; or Humanities [HUM] ²	4 or 3
Foreign Language or Elective ³	3

Fourth Year

<i>First Term</i>	<i>Credits</i>
VET MED 510	4
VET MED 511 ⁵	5
VET MED 513	4
VET MED 568	2
VET MED 586	1
<i>Second Term</i>	<i>Credits</i>
VET MED 512	4
VET MED 520 ⁵	5
VET MED 521	3
VET MED 534	3
VET MED 545	3
VET MED 580	1
Complete School of Biological Sciences Exit Survey	

Footnotes

- ¹ All zoology majors must complete 19 credits of Biology Core courses (BIOLOGY 106; 107; 301; 370 [M] or 372 [M]; one from 395, 403, or 405); and 21 credits of option requirements or electives. These must include 15 upper-division credits, 6 of which must be a BIOLOGY prefix taken in residence at WSU. Approved courses include 200-400-level BIOLOGY courses except those used to fulfill core requirements. A maximum of 4 credits of coursework graded S/F may be used toward fulfilling departmental requirements or program options and must be approved by advisor. Coursework must include a total of two BIOLOGY [M] courses and sufficient 300-400-level coursework to meet the University requirement of 40 upper division credits.
- ² Accelerated Pre-Vet Option Requirements include one course from the Development Emphasis area (BIOLOGY 321 or 322).
- ³ Two years of high school foreign language or at least two semesters of college-level foreign language are required by the College of Arts and Sciences for graduation.
- ⁴ Students in Honors College complete HONORS 450 in lieu of a BIOLOGY [CAPS] course.
- ⁵ Accelerated Pre-Vet Option requirements fulfill Anatomy option requirement (VET MED 511) and Physiology option requirement (VET MED 520) toward the Zoology degree.

Zoology – General Option (120 Credits)

First Year

<i>First Term</i>	<i>Credits</i>
BIOLOGY 106 [BSCI] or 107 [BSCI] ¹	4
CHEM 105 [PSCI]	4
Diversity [DIVR]	3
ENGLISH 101 [WRTG]	3

<i>Second Term</i>	<i>Credits</i>
BIOLOGY 106 or 107 ¹	4
CHEM 106	4
HISTORY 105 [ROOT]	3
MATH 140 [QUAN] or 171 [QUAN]	4

Second Year

<i>First Term</i>	<i>Credits</i>
BIOLOGY 301 ¹	4
CHEM 345	4
Humanities [HUM]	3

STAT 212, 412, or PSYCH 311	3 or 4
<i>Second Term</i>	
Arts [ARTS]	3
BIOLOGY 370 [M] or 372 [M] ¹	4
Program Option Course: Anatomy/Invertebrate Biology Emphasis ²	4
Social Sciences [SSCI]	3
Complete Writing Portfolio	
Third Year	
<i>First Term</i>	
BIOLOGY 395, 403, or 405 ¹	3
Communication [COMM] or Written Communication [WRTG]	3
PHYSICS 101 or 201	3
PHYSICS 111 or 211	1
Program Option Course: Physiology Emphasis ²	4
<i>Second Term</i>	
Arts [ARTS], Humanities [HUM], or Social Sciences [SSCI]	3
Equity and Justice [EQJS]	3
PHYSICS 102 or 202	3
PHYSICS 112 or 212	1
Program Option Course: Anatomy/Invertebrate Biology Emphasis ²	4
Electives	6
Fourth Year	
<i>First Term</i>	
BIOLOGY 473 [CAPS] [M], 483 [CAPS] [M], or 489 [CAPS] [M] ³	3
Program Option or Electives ⁴	3 or 4
Foreign Language or Electives ⁵	4
Electives	6
<i>Second Term</i>	
Program Option or Electives ⁴	6
Foreign Language or Electives ⁵	4
Electives	6
Complete School of Biological Sciences Exit Survey	

Footnotes

¹ All zoology majors must complete 19 credits of Biology Core courses (BIOLOGY 106; 107; 301; 370 [M] or 372 [M]; one from 395, 403, or 405); and 21 credits of option requirements or electives. These must include 15 upper-

division credits, 6 of which must be a BIOLOGY prefix taken in residence at WSU. Approved courses include 200-400-level BIOLOGY courses except those used to fulfill core requirements. A maximum of 4 credits of coursework graded S/F may be used toward fulfilling departmental requirements or program options and must be approved by advisor. Coursework must include a total of two BIOLOGY [M] courses and sufficient 300-400-level coursework to meet the University requirement of 40 upper division credits.

² Zoology General Program Option requirements include two courses from the Anatomy/Invertebrate biology emphasis (BIOLOGY 321, 322 or 418, and 324) and one course from the Physiology emphasis (BIOLOGY 350 or 353).

³ Students in Honors College complete HONORS 450 in lieu of a BIOLOGY [CAPS] course.

⁴ General Zoology Program Option Elective requirements include a minimum of 9 credits of Biological Science selected in consultation with a biology advisor. These should include coursework to fulfill the University requirement of 40 upper division credits. Approved program electives include ANIM SCI 314; BIOLOGY 352, 393, 407, 410, 412, 418, 423, 428, 432, 438, 469, 486, 495; ENTOM 340, 343, 344, 448; MBIOS 303.

⁵ Two years of high school foreign language or at least two semesters of college-level foreign language are required by the College of Arts and Sciences for graduation.

Zoology – Pre–Medicine/Pre–Dentistry Option (120 Credits)

First Year

<i>First Term</i>	<i>Credits</i>
BIOLOGY 106 [BSCI] or 107 [BSCI] ¹	4
CHEM 105 [PSCI]	4
HISTORY 105 [ROOT]	3
MATH 140 [QUAN] or 171 [QUAN]	4

<i>Second Term</i>	<i>Credits</i>
BIOLOGY 106 or 107 ¹	4
CHEM 106	4
ENGLISH 101 [WRTG]	3
STAT 212, 412, or PSYCH 311	3 or 4

Second Year

<i>First Term</i>	<i>Credits</i>
Arts [ARTS]	3

CHEM 345	4
PHYSICS 101 or 201	3
PHYSICS 111 or 211	1
Program Option Course: Microbiology/Invertebrate Biology Emphasis ²	3 or 4
<i>Second Term</i>	<i>Credits</i>
CHEM 348	4
PHYSICS 102 or 202	3
PHYSICS 112 or 212	1
Social Sciences [SSCI]	3
Electives	5
Complete Writing Portfolio	
Third Year	
<i>First Term</i>	<i>Credits</i>
BIOLOGY 301 ¹	4
Communication [COMM] or Written Communication [WRTG]	3
MBIOS 303 (recommended) or CHEM 370	4 or 3
Foreign Language or Electives ³	4
<i>Second Term</i>	<i>Credits</i>
PHIL 365 [HUM]	3
Program Option Course: Anatomy/Development Emphasis ²	3 or 4
Program Option Course: Physiology Emphasis ²	3
Foreign Language or Electives ³	3 or 4
Electives	3
Fourth Year	
<i>First Term</i>	<i>Credits</i>
BIOLOGY 395, 403, or 405 ¹	3
Diversity [DIVR]	3
Program Option Course: Microbiology/Invertebrate Biology Emphasis ²	3 or 4
Electives	6
<i>Second Term</i>	<i>Credits</i>
Arts [ARTS], Humanities [HUM], or Social Sciences [SSCI]	3
Equity and Justice [EQJS]	3
BIOLOGY 370 [M] or 372 [M] ¹	4
BIOLOGY 473 [CAPS] [M], 483 [CAPS] [M], or 489 [CAPS] [M] ⁴	3
Program Option Course: Anatomy/Development Emphasis ²	3
Electives	3
Complete School of Biological Sciences Exit Survey	

Footnotes

- ¹ All zoology majors must complete 19 credits of Biology Core courses (BIOLOGY 106; 107; 301; 370 [M] or 372 [M]; one from 395, 403, or 405); and 21 credits of option requirements or electives. These must include 15 upper-division credits, 6 of which must be a BIOLOGY prefix taken in residence at WSU. Approved courses include 200-400-level BIOLOGY courses except those used to fulfill core requirements. A maximum of 4 credits of coursework graded S/F may be used toward fulfilling departmental requirements or program options and must be approved by advisor. Coursework must include a total of two BIOLOGY [M] courses and sufficient 300-400-level coursework to meet the University requirement of 40 upper division credits.
- ² Pre-Med/Pre-Dent Zoology Program Option Requirements include two courses from the Anatomy/Development Biology requirement (BIOLOGY 315, 321, or 324); two courses from the Microbiology/Invertebrate Biology requirement (MBIOS 305 and MBIOS 304 or 306) or (MBIOS 305, or BIOLOGY 322, or BIOLOGY 418) and one course from the Physiology Requirement (BIOLOGY 353 and (352 or MBIOS 401)).
- ³ Two years of high school foreign language or at least two semesters of college-level foreign language are required by the College of Arts and Sciences for graduation.
- ⁴ Students in Honors College complete HONORS 450 in lieu of a BIOLOGY [CAPS] course.

Zoology – Pre-Veterinary/Animal Care Option (120 Credits)

First Year

<i>First Term</i>	<i>Credits</i>
BIOLOGY 106 [BSCI] or 107 [BSCI] ¹	4
CHEM 105 [PSCI]	4
Diversity [DIVR]	3
ENGLISH 101 [WRTG]	3

<i>Second Term</i>	<i>Credits</i>
BIOLOGY 106 or 107 ¹	4
CHEM 106	4
HISTORY 105 [ROOT]	3
MATH 140 [QUAN] or 171 [QUAN]	4

Second Year

<i>First Term</i>	<i>Credits</i>
BIOLOGY 301 ¹	4
CHEM 345	4
PHYSICS 101 or 201	3
PHYSICS 111 or 211	1
Social Sciences [SSCI]	3
<i>Second Term</i>	<i>Credits</i>
BIOLOGY 395, 403, or 405 ¹	3
Humanities [HUM]	3
PHYSICS 102 or 202	3
PHYSICS 112 or 212	1
STAT 212, 412, or PSYCH 311	3 or 4
Complete Writing Portfolio	
Third Year	
<i>First Term</i>	<i>Credits</i>
BIOLOGY 370 [M] or 372 [M] ¹	4
Communication [COMM] or Written Communication [WRTG]	3
Program Option Course: Anatomy/Development Emphasis ²	4
Program Option Electives ³	3
<i>Second Term</i>	<i>Credits</i>
Arts [ARTS]	3
MBIOS 303 (recommended) or CHEM 370	4 or 3
Program Option Course: Anatomy/Development Emphasis ²	4
Program Option Elective ³	3
Electives	2
Fourth Year	
<i>First Term</i>	<i>Credits</i>
Arts [ARTS], Humanities [HUM], or Social Sciences [SSCI]	3
Equity and Justice [EQJS]	3
Program Option Course: Physiology/Cell Biology Emphasis ²	4
Program Option Courses or Electives ⁴	3
Foreign Language or Electives ⁵	4
Electives	3
<i>Second Term</i>	<i>Credits</i>
BIOLOGY 473 [CAPS] [M], 483 [CAPS] [M], or 489 [CAPS] [M] ⁶	3
Program Option or Electives ³	3
Foreign Language or Electives ⁵	4

Footnotes

- ¹ All zoology majors must complete 19 credits of Biology Core courses (BIOLOGY 106; 107; 301; 370 [M] or 372 [M]; one from 395, 403, or 405); and 21 credits of option requirements or electives. These must include 15 upper-division credits, 6 of which must be a BIOLOGY prefix taken in residence at WSU. Approved courses include 200-400-level BIOLOGY courses except those used to fulfill core requirements. A maximum of 4 credits of coursework graded S/F may be used toward fulfilling departmental requirements or program options and must be approved by advisor. Coursework must include a total of two BIOLOGY [M] courses and sufficient 300-400-level coursework to meet the University requirement of 40 upper division credits.
- ² Pre-Vet/Animal Care Zoology Option Requirements include two courses from the Anatomy/Development Biology emphasis (BIOLOGY 315, 321, or 324); one course from the Physiology/Cell Biology emphasis (BIOLOGY 350 or 353).
- ³ Pre-Vet /Animal Zoology Option Electives include a minimum of 12 credits of Biological Science selected in consultation with a biology advisor. These should include coursework to fulfill the University requirement of 40 upper division credits. Approved program electives include BIOLOGY 352, 360, 393 [M], 412, 423, 428, 432, 438 [M], 495, CHEM 370 or MBIOS 303, MBIOS 304, 305, SOE 431.
- ⁴ Zoology, Pre-Veterinary/Animal Care Program Option electives should be selected in consultation with a biology advisor and must include 12 credits selected from BIOLOGY 352, 360, 393 [M], 412, 423, 428, 432, 438 [M], 495, CHEM 370 or MBIOS 303, 304, 305, SOE 431, or as approved by advisor. Beyond the core requirements (BIOLOGY 106, 107, 301, 370 [M] or 372 [M], one from 395, 403, or 405, BIOLOGY [CAPS] or HONORS 450) all zoology majors must complete 21 semester credits of biological coursework including 15 upper-division credits, 6 of which must be a BIOLOGY prefix taken in residence at WSU. Approved courses include 200-400-level BIOLOGY courses not used to fulfill core requirements, and any courses approved by advisor. A maximum of 4 credits of coursework graded S/F may be used toward fulfilling departmental requirements or program options and must be approved by advisor.
- ⁵ Two years of high school foreign language or at least two semesters of college-level foreign language are required by the College of Arts and Sciences for graduation.
- ⁶ Students in Honors College complete HONORS 450 in lieu of a BIOLOGY [CAPS] course.

Chemistry

Bachelor of Arts in Chemistry – Secondary Education Option (131 Credits)

First Year

<i>First Term</i>	<i>Credits</i>
Arts [ARTS]	3
CHEM 105 [PSCI]	4
ENGLISH 101 [WRTG]	3
Humanities [HUM]	3
MATH 106 ¹	0 or 3
<i>Second Term</i>	<i>Credits</i>
BIOLOGY 107 [BSCI]	4
CHEM 106	4
HISTORY 105 [ROOT]	3
MATH 108 ¹	0 or 2
Social Sciences [SSCI]	3

Second Year

<i>First Term</i>	<i>Credits</i>
CHEM 220	3
CHEM 222	1
Diversity [DIVR]	3
MATH 140 [QUAN] ¹	4
PHYSICS 101 ²	3
PHYSICS 111 ²	1
<i>Second Term</i>	<i>Credits</i>
BIOLOGY 106	4
CHEM 301	3
ENGR 120	2
PHYSICS 102 ²	3
PHYSICS 112 ²	1
TCH LRN 301	3
Complete Writing Portfolio	

Third Year

<i>First Term</i>	<i>Credits</i>
BIOLOGY 430	3
CHEM 338 ³	3

CHEM 345	4
CHEM 398	1
STAT 212	4
<i>Second Term</i>	<i>Credits</i>
Arts [ARTS], Humanities [HUM], or Social Sciences [SSCI]	3
Equity and Justice [EQJS]	3
CHEM 348	4
CHEM 370 ⁴	3
Communication [COMM] or Written Communication [WRTG] ⁵	3
Foreign Language, if needed ⁶	0 or 4
Apply to College of Education Teaching Certificate Program	
<i>Third Term</i>	<i>Credits</i>
Summer - TCH LRN 317	2
Fourth Year	
<i>First Term</i>	<i>Credits</i>
SOE 101 or 102	3
TCH LRN 464	3
TCH LRN 465	3
TCH LRN 466	3
Foreign Language, if needed ⁶	0 or 4
<i>Second Term</i>	<i>Credits</i>
CHEM 485 [CAPS][M]	3
ED PSYCH 468	3
TCH LRN 467 [M]	3
TCH LRN 469	3
TCH LRN 470	3
Exit Interview	
Fifth Year	
<i>First Term</i>	<i>Credits</i>
TCH LRN 415	16

Footnotes

¹ The minimum math requirement is MATH 140. Students who place into MATH 140 or higher are not required to take MATH 106 or 108 but must take an additional 5 credits of electives. MATH 171 may be substituted for MATH 140. Students who place into MATH 140 should take it during their first year, and may delay one of the UCORE courses [ARTS], [HUM], or [SSCI].

² PHYSICS 201/211 and 202/212 may be substituted for PHYSICS 101/111 and 102/112.

³ CHEM 331 or 332 may replace CHEM 338.

⁴ MBIOS 303 may replace CHEM 370.

⁵ One from ENGLISH 201, 301, 302, or 402 is required for admission to the Teacher Education Program. Students who take ENGLISH 302 will need to take an additional [WRTG] or [COMM] course.

⁶ Two years of high school foreign language or at least two semesters of college-level foreign language are required by the College of Arts and Sciences for graduation.

Bachelor of Arts in Chemistry – Standard Option (120 Credits)

First Year

<i>First Term</i>	<i>Credits</i>
Arts [ARTS]	3
CHEM 105 [PSCI]	4
ENGLISH 101 [WRTG]	3
Humanities [HUM]	3
MATH 106 ¹	3
<i>Second Term</i>	<i>Credits</i>
BIOLOGY 106 [BSCI] or 107 [BSCI]	4
CHEM 106	4
HISTORY 105 [ROOT]	3
MATH 108 ¹	2
Social Sciences [SSCI]	3

Second Year

<i>First Term</i>	<i>Credits</i>
CHEM 220	3
CHEM 222	1
Diversity [DIVR]	3
MATH 140 [QUAN] ¹	4
PHYSICS 101 ²	3
PHYSICS 111 ²	1
<i>Second Term</i>	<i>Credits</i>
BIOLOGY 106 or 107	4

CHEM 301	3
PHYSICS 102 ²	3
PHYSICS 112 ²	1
Electives ³	3
Complete Writing Portfolio	

Third Year

<i>First Term</i>	<i>Credits</i>
CHEM 338 or 331 ⁴	3
CHEM 345	4
CHEM 398	1
STAT 212	4
Electives ³	3

<i>Second Term</i>	<i>Credits</i>
Arts [ARTS], Humanities [HUM], or Social Sciences [SSCI]	3
Equity and Justice [EQJS]	3
CHEM 348	4
CHEM 370 or MBIOS 303	3 or 4
ENGLISH 402 [WRTG] [M]	3
Electives ³	2

Fourth Year

<i>First Term</i>	<i>Credits</i>
Advanced Chemistry Electives ⁵	2
Foreign Language, if needed, and/or Electives ^{3,6}	12

<i>Second Term</i>	<i>Credits</i>
Advanced Chemistry Electives ⁵	3
CHEM 485 [CAPS] [M]	3
Foreign Language, if needed, and/or Electives ^{3,6}	9
Exit Interview	

Footnotes

¹ The minimum math requirement is MATH 140. Students who place into MATH 140 or higher are not required to take MATH 106 or 108 but must take an additional 5 credits of electives. MATH 171 may be substituted for MATH 140. Students who place into MATH 140 should take it during their first year, and may delay one of the UCORE courses [ARTS], [HUM], or [SSCI].

² PHYSICS 201/211 and 202/212 may be substituted for PHYSICS 101/111 and 102/112.

- ³ At least 11 credits in addition to those specified must be at the 300-400-level, for a total of at least 40 upper division credits.
- ⁴ CHEM 331 has prerequisites of PHYSICS 202 or 206, and MATH 273, each with a C or better.
- ⁵ Advanced Chemistry Electives (minimum 5 credits): Approved courses include CHEM 347, 425, 426, 490, 499 (maximum 2 credits), any 500-level CHEM course, or STAT 412. Other electives may be used with permission.
- ⁶ The Foreign Language requirement is that of the College of Arts and Sciences and may be fulfilled with two years of a foreign language in high school. Students are encouraged to pursue a minor while fulfilling the electives requirement.

Bachelor of Science in Chemistry – Materials Option (120 Credits)

First Year

<i>First Term</i>	<i>Credits</i>
Arts [ARTS]	3
CHEM 105 [PSCI] ¹	4
ENGLISH 101 [WRTG]	3
MATH 171 [QUAN]	4
<i>Second Term</i>	<i>Credits</i>
BIOLOGY 102 [BSCI], 106 [BSCI], or 107 [BSCI]	4
CHEM 106 ¹	4
HISTORY 105 [ROOT]	3
MATH 172	4

Second Year

<i>First Term</i>	<i>Credits</i>
CHEM 345	4
Humanities [HUM]	3
MATH 220	2
MATH 273	2
PHYSICS 201	3
PHYSICS 211	1
<i>Second Term</i>	<i>Credits</i>
CHEM 220	3
CHEM 347	3

CHEM 348	4
PHYSICS 202	3
PHYSICS 212	1
Social Sciences [SSCI]	3
Complete Writing Portfolio	
Third Year	
<i>First Term</i>	<i>Credits</i>
CHEM 222	1
CHEM 330	1
CHEM 331	3
CHEM 332	3
CHEM 370 or MBIOS 303	3 or 4
CHEM 398	1
Diversity [DIVR]	3
Foreign Language (if needed)	0 or 4
<i>Second Term</i>	<i>Credits</i>
Arts [ARTS], Humanities [HUM], or Social Sciences [SSCI]	3
Equity and Justice [EQJS]	3
CHEM 331	3
CHEM 332	3
CHEM 333	1
CHEM 334 [M]	2
Computational Elective: CPT S 121 or course approved by advisor	3 or 4
MSE 201	3
Foreign Language, if necessary, or Elective	3 or 4
Fourth Year	
<i>First Term</i>	<i>Credits</i>
CHEM 334 [M]	2
CHEM 333	1
CHEM 401	3
CHEM 480	3
CHEM 499	2
COM 400 [COMM], ENGLISH 301 [WRTG], or 402 [WRTG] [M]	3
MSE 302	3
<i>Second Term</i>	<i>Credits</i>
CHEM 410	3
CHEM 485 [CAPS] [M]	3
MSE 321	3

MSE 323	3
Electives ²	3
Exit Interview	

Footnotes

¹ Students who have taken CHEM 101 must take CHEM 105 and 106, or 102 and 106. Highly qualified students are encouraged to take CHEM 116 in place of CHEM 106.

² CHEM 503 or any 300-400-level MSE course not used to satisfy major requirements.

Bachelor of Science in Chemistry – Professional Option (120 Credits)

First Year

<i>First Term</i>	<i>Credits</i>
Arts [ARTS]	3
CHEM 105 [PSCI] ¹	4
HISTORY 105 [ROOT]	3
MATH 171 [QUAN]	4
<i>Second Term</i>	<i>Credits</i>
BIOLOGY 102 [BSCI], 106 [BSCI], or 107 [BSCI]	4
CHEM 106 ¹	4
ENGLISH 101 [WRTG]	3
MATH 172	4

Second Year

<i>First Term</i>	<i>Credits</i>
CHEM 345	4
Humanities [HUM]	3
MATH 220	2
MATH 273	2
PHYSICS 201	3
PHYSICS 211	1
<i>Second Term</i>	<i>Credits</i>
CHEM 220	3
CHEM 347	3

CHEM 348	4
PHYSICS 202	3
PHYSICS 212	1
Social Sciences [SSCI]	3
Complete Writing Portfolio	
Third Year	
<i>First Term</i>	<i>Credits</i>
CHEM 222	1
CHEM 330	1
CHEM 331	3
CHEM 332	3
CHEM 370 or MBIOS 303	3 or 4
CHEM 398	1
Diversity [DIVR]	3
Electives	2
<i>Second Term</i>	<i>Credits</i>
Arts [ARTS], Humanities [HUM], or Social Sciences [SSCI]	3
Equity and Justice [EQJS]	3
CHEM 332	3
CHEM 333	1
CHEM 331	3
CHEM 334 [M]	2
CHEM 425	2
Electives	6
Fourth Year	
<i>First Term</i>	<i>Credits</i>
CHEM 334 [M]	2
CHEM 333	1
CHEM 401	3
CHEM 426 [M]	2
CHEM 499	2
Foreign Language and/or Electives	6
<i>Second Term</i>	<i>Credits</i>
Advanced CHEM Electives ²	3
CHEM 410	3
CHEM 485 [CAPS] [M]	3
ENGLISH 301 [WRTG], 402 [WRTG] [M], or COM 400 [COMM]	3
Foreign Language or Electives	3 or 4

	Exit Interview
	<p>Footnotes</p> <p>¹ Students who have taken CHEM 101 must take CHEM 105 and 106, or 102 and 106. Highly qualified students are encouraged to take CHEM 116 in place of CHEM 106.</p> <p>² Advanced CHEM Electives include: CHEM 490, MATH 315, or any 500-level CHEM course.</p>

<p>Criminal Justice and Criminology</p>	<p>Criminal Justice and Criminology (120 Credits)</p> <p>First Year</p> <p><i>First Term</i> <i>Credits</i></p> <p>CRM J 101 [SSCI] 3</p> <p>ENGLISH 101 [WRTG] 3</p> <p>Quantitative Reasoning [QUAN] 3</p> <p>Electives 6</p> <p><i>Second Term</i> <i>Credits</i></p> <p>Arts [ARTS] 3</p> <p>Communication [COMM] or Written Communication [WRTG] 3</p> <p>CRM J 201 3</p> <p>Diversity [DIVR] or CRM J 205 [DIVR] 3</p> <p>HISTORY 105 [ROOT] 3</p> <p>Second Year</p> <p><i>First Term</i> <i>Credits</i></p> <p>Biological Sciences [BSCI] with lab¹ 4</p> <p>CRM J 311 3</p> <p>Humanities [HUM] 3</p> <p>Electives 6</p> <p><i>Second Term</i> <i>Credits</i></p> <p>Arts [ARTS], Humanities [HUM], or Social Sciences [SSCI] 3</p> <p>CRM J 321 3</p> <p>Equity and Justice [EQJS] 3</p> <p>Electives 9</p> <p>Complete Writing Portfolio</p> <p>Third Year</p>
--	---

	<p><i>First Term</i> <i>Credits</i></p> <p>CRM J 320 3</p> <p>CRM J Electives² 3</p> <p>Electives³ 9</p> <p><i>Second Term</i> <i>Credits</i></p> <p>CRM J Electives² 3</p> <p>Physical Sciences [PSCI] with lab¹ 4</p> <p>Electives³ 9</p> <p>Fourth Year</p> <p><i>First Term</i> <i>Credits</i></p> <p>CRM J Electives² 6</p> <p>Foreign Language, if needed, and/or Electives³ 9</p> <p><i>Second Term</i> <i>Credits</i></p> <p>CRM J 480 [CAPS] [M] 3</p> <p>Foreign Language, if needed, and/or Electives³ 10</p> <hr/> <p>Footnotes</p> <p>¹ To meet University and College of Arts and Sciences requirements, students must take a [BSCI] course with lab and [PSCI] course with lab.</p> <p>² CRM J Electives (12 credits): Any CRM J course not used to fulfill the CRM J core requirements. Must include 1 [M] course.</p> <p>³ Electives: 300-400-level coursework as needed to meet University requirements of 120 credits and 40 upper-division credits.</p>
Environment	<p>Earth Sciences (120 Credits)</p> <p>First Year</p> <p><i>First Term</i> <i>Credits</i></p> <p>CHEM 101[PSCI] or 105 [PSCI] 4</p> <p>HISTORY 105 [ROOT] 3</p> <p>MATH 106 or electives¹ 3</p> <p>SOE 100 1</p> <p>SOE 101 or 102 4</p> <p><i>Second Term</i> <i>Credits</i></p> <p>CHEM 102 or 106 4</p> <p>ECONS 101 [SSCI] 3</p> <p>ENGLISH 101 [WRTG] 3</p>

MATH 108 or electives ¹	2
SOE 210	4
Second Year	
<i>First Term</i>	<i>Credits</i>
Humanities [HUM]	3
PHYSICS 101 or 201, or ASTRONOM 135 or 138	3 or 4
PHYSICS 111 or 211, if taking PHYSICS 101 or 201	0 or 1
SOE 340 [M]	4
SOE 350	4
<i>Second Term</i>	<i>Credits</i>
MATH 140 [QUAN], MATH 171 [QUAN], or STAT 212 [QUAN] ¹	4
SOE 110 or BIOLOGY 106	4
Earth Sciences or Professional Electives ^{2,3}	7 or 8
Complete Writing Portfolio	
<i>Third Term</i>	<i>Credits</i>
Summer Session: SOE 207 ⁴	3
Third Year	
<i>First Term</i>	<i>Credits</i>
SOIL SCI 368	3
Earth Sciences or Professional Electives ^{2,3}	9
Foreign Language, if needed, or Electives ⁵	3 - 4
<i>Second Term</i>	<i>Credits</i>
COM 102 [COMM] or H D 205 [COMM]	3 or 4
SOE 315 or 461	3
Earth Sciences or Professional Electives ^{2,3}	6
Foreign Language, if needed ⁵	0 or 4
Fourth Year	
<i>First Term</i>	<i>Credits</i>
Arts [ARTS]	3
SOE 300 or BIOLOGY 372	3 or 4
Earth Sciences or Professional Electives ^{2,3}	9
<i>Second Term</i>	<i>Credits</i>
Arts [ARTS], Humanities [HUM], or Social Sciences [SSCI]	3
Equity and Justice [EQJS]	3
SOE 312 [DIVR]	3
SOE 474 [CAPS] [M] or 480 [CAPS] ³	3

Footnotes

¹ MATH 106 and 108 are required courses. However, if students have tested into or taken MATH 140, 171, 172, STAT 212, or ALEKS with an 80% or better, MATH 106 and 108 will be waived. If waived, students may need to take additional credits to meet the University minimum requirement of 120 credits.

² Earth Sciences or Professional Electives: Students will complete six (6) courses of Earth Sciences electives, selected from the following list: SOE 303, 320, 356, 357, 405, 474, 475, 480, and Geology 490 (Co-op course with the University of Idaho). In addition, students will complete 22 credits of professional electives, 13 of which must be upper division. Professional Electives are courses selected by students in concert with their advisor and pertain to their major and/or to a specific sub-discipline of interest. Professional electives may also include courses from outside of their major as needed to complete a minor in another field of study. Course used to fulfill the [CAPS] requirement cannot be used to fulfill Earth Sciences or Professional Electives.

³ The School of the Environment requires students to take three [M] courses. At least one writing in the major [M] course should come from the professional electives.

⁴ SOE 207 is the approved Experiential Elective for Earth Science majors.

⁵ Two years of high school foreign language or at least two semesters of college-level foreign language are required by the College of Arts and Sciences for graduation.

⁶ Students must complete a School of the Environment exit survey, administered during the final semester.

Environmental and Ecosystem Sciences (120 Credits)**First Year**

<i>First Term</i>	<i>Credits</i>
BIOLOGY 106	4
HISTORY 105 [ROOT]	3
MATH 106 or electives ¹	3
SOE 110 [BSCI]	4
<i>Second Term</i>	<i>Credits</i>
Arts [ARTS]	3
CHEM 101 [PSCI] or 105 [PSCI]	4
ENGLISH 101 [WRTG]	3
MATH 108 or electives ¹	2

SOE 101 or 102	4
Second Year	
<i>First Term</i>	<i>Credits</i>
BIOLOGY 107	4
ECONS 101 [SSCI]	3
SOE 210 or 250 ²	3 or 4
Foreign Language, if needed ³	0 - 4
200-level Required Electives ⁴	2 or 3
<i>Second Term</i>	<i>Credits</i>
CHEM 102 or 106	4
Humanities [HUM]	3
SOE 300 or BIOLOGY 372 [M] ²	3 or 4
STAT 212 [QUAN], MATH 140 [QUAN], or 171 [QUAN]	4
Foreign Language, if needed ³	0 - 4
Complete Writing Portfolio	
Third Year	
<i>First Term</i>	<i>Credits</i>
Arts [ARTS], Humanities [HUM], or Social Sciences [SSCI]	3
Equity and Justice [EQJS]	3
COM 102 [COMM] or H D 205 [COMM]	3 or 4
SOIL SCI 368	3
Professional Electives ⁵	7
<i>Second Term</i>	<i>Credits</i>
Diversity [DIVR], if needed, or Electives ⁶	3
SOE 312 [DIVR] or POL S 430 ⁶	3
SOE 315 or 461	3
SOE Experiential Requirement or Electives ⁷	3
Professional Electives ⁵	4
Fourth Year	
<i>First Term</i>	<i>Credits</i>
SOE 403, STAT 360, 370, or 412 ⁸	3
SOE 404 [CAPS] [M], 454 [CAPS] [M], or 477 [CAPS] ⁹	3
Writing in the Major [M] or Electives ¹⁰	3
Professional Electives ⁵	7
<i>Second Term</i>	<i>Credits</i>
Writing in the Major [M] or Electives ¹⁰	3

Footnotes

- ¹ MATH 106 and 108 are required courses. However, if students have tested into or taken MATH 140, 171, 172 or ALEKS with an 80% or better, MATH 106 and 108 will be waived. If waived, students may need to take additional credits to meet the University minimum of 120 credits.
- ² Students who take SOE 250 must also take BIOLOGY 372.
- ³ Two years of high school foreign language or at least two semesters of college-level foreign language are required by the College of Arts and Sciences for graduation.
- ⁴ Approved 200-level required electives include SOE 204, 230, 250, 275, 285. Not all courses available on all campuses.
- ⁵ Environmental and Ecosystem Sciences Professional Electives (31 credits) are courses selected by students in concert with their advisor and pertain to their major and/or to a specific sub-discipline of interest. Professional electives may also include courses from outside of their major as needed to complete a minor in another field of study. Approved courses include but are not limited to: ECONS 330, or any 300-400-level SOE or SOIL SCI course, or as approved by advisor.
- ⁶ SOE 312 satisfies both the [DIVR] and the Society and Environmental Management requirements.
- ⁷ SOE Experiential Requirement: Students in the School of the Environment are required to fulfill the SOE Experiential Requirement before graduation. This requirement is designed to give students experience they will not receive in the traditional classroom-oriented course, and to better prepare them for a successful career after graduation. Students may choose 3 credits of coursework from SOE 492 or 495, or as approved by advisor. As an alternative to coursework, students may meet the requirement by documenting at least 135 hours of relevant practical experience. Students choosing the practical experience option may need an additional 3 credits of electives to meet the University requirement of 120 total credits.
- ⁸ MATH 172 is a prerequisite for STAT 360 and 370.
- ⁹ Students who take SOE 477 [CAPS] may need to take an [M] course within their Professional Electives to fulfill the requirement for 3 [M] courses.
- ¹⁰ The School of the Environment requires students to complete 3 [M] courses. Check with advisor for course recommendation.
- ¹¹ Students must complete a School of the Environment exit survey, administered during the final semester.

Forest Ecology and Management (120 Credits)

First Year

<i>First Term</i>	<i>Credits</i>
BIOLOGY 106 [BSCI]	4
ECONS 101 [SSCI]	3
HISTORY 105 [ROOT]	3
Humanities [HUM]	3
MATH 106 or Electives ¹	3

<i>Second Term</i>	<i>Credits</i>
Arts [ARTS]	3
BIOLOGY 107	4
CHEM 101 [PSCI] or 105 [PSCI]	4
ENGLISH 101 [WRTG]	3
MATH 108 or Electives ¹	2

Second Year

<i>First Term</i>	<i>Credits</i>
COM 102 [COMM] or H D 205 [COMM]	3 or 4
ECONS 330	3
SOE 204	2
SOE 300 or BIOLOGY 372	3 or 4
SOE 301	3

<i>Second Term</i>	<i>Credits</i>
MATH 140 [QUAN] or STAT 212 [QUAN]	4
SOE 302	3
SOE 312 [DIVR]	3
SOIL SCI 201	3
SOIL SCI 374	3
Complete Writing Portfolio	

Third Year

<i>First Term</i>	<i>Credits</i>
SOE 210	4
SOE 304	4
SOE 305	3
SOIL SCI 368	3
Foreign Language, if needed ²	0-4

<i>Second Term</i>	<i>Credits</i>
ECONS 352	3

SOE 315 or 461 ³	3
SOE 403	3
SOE 438	3
SOE Experiential Requirement or electives ⁴	3

Fourth Year

<i>First Term</i>	<i>Credits</i>
Arts [ARTS], Humanities [HUM], or Social Sciences [SSCI]	3
Equity and Justice [EQJS]	3
SOE 446 [M] or 450 [M] ⁵	3
SOE 454 [CAPS] [M] ⁵	3
STAT 412	3
Professional Electives ⁶	3
Complete Forestry Experiential Requirement ⁷	
<i>Second Term</i>	<i>Credits</i>
SOE 464 [M] ⁵	3
SOE 484	3
SOE 485	4
SOIL SCI 468	4
Foreign Language, if needed ²	0-4
Exit Survey ⁸	

Footnotes

¹ MATH 106 and 108 are required courses. However, if students have tested into or taken MATH 140, 171, 172, STAT 212, or ALEKS with an 80% or better, MATH 106 and 108 will be waived. If waived, students may need to take additional credits to meet the University minimum requirement of 120 credits.

² Two years of high school foreign language or at least two semesters of college-level foreign language are required by the College of Arts and Sciences for graduation.

³ SOE 315 requires additional prerequisites of CHEM 102 or 106, and SOE 101 or 102.

⁴ SOE Experiential Requirement: Students in the School of the Environment are required to fulfill the SOE Experiential Requirement before graduation. This requirement is designed to give students experience they will not receive in the traditional classroom-oriented course, and to better prepare them for a successful career after graduation. Students may choose 3 credits of coursework from SOE 492 or 495, or as approved by advisor. As an alternative to coursework, students may meet the requirement by documenting at least 135 hours of relevant practical experience. Students choosing the practical experience option may need an additional 3 credits of electives to meet the University requirement of 120 total credits.

- ⁵ The School of the Environment requires students to take three [M] courses.
- ⁶ Forest Ecology and Management Professional Elective (3 credits) is a course selected by students in concert with their advisor and pertaining to their major and/or to a specific sub-discipline of interest. Approved Professional electives include, but are not limited to: any CRM J course or any 200-400-level ANIM SCI, BIOLOGY, MBIOS, SOE, or SOIL SCI course.
- ⁷ Forestry Experiential Requirement: Forestry majors will need to complete an additional 135 hours of volunteer or paid work related to their field of study and approved by their advisor to meet the requirements of the Forestry Core.
- ⁸ Students must complete a School of the Environment exit survey, administered during the final semester.

Wildlife Ecology and Conservation Sciences – Pre-Veterinary Option (120 Credits)

First Year

<i>First Term</i>	<i>Credits</i>
BIOLOGY 106 [BSCI]	4
CHEM 105 [PSCI]	4
HISTORY 105 [ROOT]	3
MATH 106 or Electives ¹	2- 3
SOE 100	1
<i>Second Term</i>	<i>Credits</i>
BIOLOGY 107	4
CHEM 106	4
COM 102 [COMM] or H D 205 [COMM]	3 or 4
ENGLISH 101 [WRTG]	3
MATH 108 ¹	0 - 2

Second Year

<i>First Term</i>	<i>Credits</i>
CHEM 345	4
ECONS 101 [SSCI]	3
SOE 204	4
SOE 300 or BIOLOGY 372	3 or 4
SOE 301	3
<i>Second Term</i>	<i>Credits</i>
Arts [ARTS]	3

MATH 140 [QUAN], 171 [QUAN], or STAT 212 [QUAN]	4
MBIOS 303	4
SOE 302	3
Foreign Language, if needed ²	0 - 4
Complete Writing Portfolio	
Third Year	
<i>First Term</i>	<i>Credits</i>
BIOLOGY 301	4
SOE 310	4
SOIL SCI 368	3
STAT 412	3
Foreign Language, if needed ²	0 - 4
<i>Second Term</i>	<i>Credits</i>
Advanced Wildlife Elective ³	3
PHYSICS 101	3
PHYSICS 111	1
SOE 312 [DIVR]	3
SOE 435	4
Water Science Course ⁴	3
Fourth Year	
<i>First Term</i>	<i>Credits</i>
Advanced Wildlife Elective ³	3
Animal Systematics Course ⁵	4
Arts [ARTS], Humanities [HUM], or Social Sciences [SSCI]	3
Equity and Justice [EQJS]	3
Plant Course ⁶	3
SOE 441	4
<i>Second Term</i>	<i>Credits</i>
Humanities [HUM]	3
Integrative Capstone ⁷	3
SOE 210	4
SOE 438	3
SOE Experiential Requirement ⁸	0-3
Exit Survey ⁹	

Footnotes

¹ MATH 106 and 108 are required courses. However, if students have tested into or taken MATH 140, 171, 172, STAT 212, or ALEKS with an 80% or better,

- MATH 106 and 108 will be waived. If waived, students may need to take additional credits to meet the University minimum requirement of 120 credits.
- ² Two years of high school foreign language or at least two semesters of college-level foreign language are required by the College of Arts and Sciences for graduation.
- ³ Advanced Wildlife Elective (6 credits): Choose from SOE 318, 431, 446 [M], 450 [M], and 464 [M]. Selecting at least one [M] course is recommended. The School of the Environment requires students to take three [M] courses.
- ⁴ Choose one of the following three Water Science courses: SOE 275 (fall), 411 (fall), or 461 (spring).
- ⁵ Choose one of the following Animal Systematics Courses: BIOLOGY 423, 428, or 432 [M].
- ⁶ Choose one of the following two plant courses: SOE 305 (Fall), or 306 (Spring).
- ⁷ Choose one of the following two integrated capstone courses: SOE 471 [CAPS] (spring), or 454 [CAPS] [M] (fall).
- ⁸ SOE Experiential Requirement: Students in the School of the Environment are required to fulfill the SOE Experiential Requirement before graduation. This requirement is designed to give students experience they will not receive in the traditional classroom-oriented course, and to better prepare them for a successful career after graduation. Students may choose 3 credits of coursework from SOE 492 or 495, or as approved by advisor. As an alternative to coursework, students may meet the requirement by documenting at least 135 hours of relevant practical experience. Students choosing the practical experience option may need an additional 3 credits of electives to meet the University requirement of 120 total credits.
- ⁹ Students must complete a School of the Environment exit survey, administered during the final semester.

Wildlife Ecology and Conservation Sciences – Basic Option (120 Credits)

First Year

<i>First Term</i>	<i>Credits</i>
BIOLOGY 106 [BSCI]	4
ECONS 101 [SSCI]	3
HISTORY 105 [ROOT]	3
MATH 106 or electives ¹	3
SOE 100	1
<i>Second Term</i>	<i>Credits</i>
Arts [ARTS]	3
BIOLOGY 107	4

CHEM 101 [PSCI] or 105 [PSCI]	4
ENGLISH 101 [WRTG]	3
MATH 108 or electives ¹	2
Second Year	
<i>First Term</i>	<i>Credits</i>
Arts [ARTS], Humanities [HUM], or Social Sciences [SSCI]	3
Equity and Justice [EQJS]	3
COM 102 [COMM] or H D 205 [COMM]	3 or 4
SOE 204	4
SOE 300 or BIOLOGY 372	3 or 4
SOE 301	3
<i>Second Term</i>	<i>Credits</i>
CHEM 102 or 106	4
SOE 302	3
SOE 312 [DIVR]	3
STAT 212 [QUAN]	4
Foreign Language, if needed ²	0 - 4
Complete Writing Portfolio	
Third Year	
<i>First Term</i>	<i>Credits</i>
SOE 210	4
SOE 310	4
SOIL SCI 368	3
STAT 412	3
Foreign Language, if needed ²	0 - 4
<i>Second Term</i>	<i>Credits</i>
SOE 435	4
SOE 438	3
Advanced Wildlife Elective ³	3
Water Science Course ⁴	3
Professional Electives ⁵	3
Fourth Year	
<i>First Term</i>	<i>Credits</i>
Animal Systematics Course ⁶	4
Humanities [HUM]	3
SOE 441	4

Plant Course ⁷	3
Professional Elective ⁵	3
<i>Second Term</i>	<i>Credits</i>
Advanced Wildlife Elective ³	3
Integrative Capstone [CAPS] ⁸	3
Professional Electives ⁵	7
SOE Experiential Requirement ⁹	0-3
Exit Survey ¹⁰	

Footnotes

- ¹ MATH 106 and 108 are required courses. However, if students have tested into or taken MATH 140, 171, 172, STAT 212, or ALEKS with an 80% or better, MATH 106 and 108 will be waived. If waived, students may need to take additional credits to meet the University minimum requirement of 120 credits.
- ² Two years of high school foreign language or at least two semesters of college-level foreign language are required by the College of Arts and Sciences for graduation.
- ³ Advanced Wildlife Elective (6 credits): Choose from SOE 318, 431, 446 [M], 450 [M], and 464 [M]. Selecting at least one [M] course is recommended. The School of the Environment requires students to take three [M] courses.
- ⁴ Choose one of the following three Water Science courses: SOE 275 (fall), 411 (fall), or 461 (spring).
- ⁵ Wildlife Ecology and Conservation Sciences Professional Electives (13 credits) are courses selected by students in concert with their advisor and pertain to their major and career goals. Selecting at least one [M] course is recommended. The School of the Environment requires students to take three [M] courses.
- ⁶ Choose one of the following Animal Systematics Courses: BIOLOGY 423, 428, or 432 [M].
- ⁷ Choose one of the following two plant courses: SOE 305 (Fall), or 306 (Spring).
- ⁸ Choose one of the following two integrated capstone courses: SOE 471 [CAPS] (spring), or 454 [CAPS] [M] (fall).
- ⁹ SOE Experiential Requirement: Students in the School of the Environment are required to fulfill the SOE Experiential Requirement before graduation. This requirement is designed to give students experience they will not receive in the traditional classroom-oriented course, and to better prepare them for a successful career after graduation. Students may choose 3 credits of coursework from SOE 492 or 495, or as approved by advisor. As an alternative to coursework, students may meet the requirement by documenting at least 135 hours of relevant practical experience. Students choosing the practical experience option may need an additional 3 credits of electives to meet the University requirement of 120 total credits.
- ¹⁰ Students must complete a School of the Environment exit survey, administered during the final semester.

History	<p>History – Education Option (126 129 Credits)</p> <p>First Year</p> <p><i>First Term</i> <i>Credits</i></p> <p>Biological Sciences [BSCI] with lab¹ 4</p> <p>HISTORY 101 [HUM] 3</p> <p>HISTORY 105 [ROOT] 3</p> <p>Quantitative Reasoning [QUAN] 3 or 4</p> <p><i>Second Term</i> <i>Credits</i></p> <p>ECONS 102 [SSCI] or POL S 101 [SSCI] 3</p> <p>ENGLISH 101 [WRTG] 3</p> <p>HISTORY 102 3</p> <p>HISTORY 121 3</p> <p>Physical Sciences [PSCI] with lab¹ 4</p> <p>Second Year</p> <p><i>First Term</i> <i>Credits</i></p> <p>Arts [ARTS] (Non-History)² 3</p> <p>ECONS 102 or POL S 101 3</p> <p>ENGLISH 201 [WRTG], 301 [WRTG], 302 [M], or 402 [WRTG]³ 3</p> <p>HISTORY 110 3</p> <p>HISTORY 308 or 410 3</p> <p><i>Second Term</i> <i>Credits</i></p> <p>200-level HISTORY course⁴ 3</p> <p>HISTORY 111 3</p> <p>HISTORY 120 3</p> <p>HISTORY 279 3</p> <p>Complete Writing Portfolio</p> <p>Third Year</p> <p><i>First Term</i> <i>Credits</i></p> <p>300-400-level HISTORY courses⁵ 6</p> <p>HISTORY 300 [M] 3</p> <p>TCH LRN 301 3</p> <p>Equity and Justice [EQJS] 3</p>

Foreign Language, if needed ⁶	0 - 4
<i>Second Term</i>	
300-400-level HISTORY course ⁵	6
HISTORY 324 or 380	3
Integrative Capstone [CAPS]	3
Foreign Language, if needed ⁶	0 - 4
<i>Third Term</i>	
TCH LRN 317 (Summer Session)	2
Fourth Year	
<i>First Term</i>	
Diversity [DIVR] (Non-History) ²	3
HISTORY 469 [M]	3
TCH LRN 464	3
TCH LRN 465	3
TCH LRN 466	2
<i>Second Term</i>	
ED PSYCH 468	3
HISTORY 324 or 380	3
TCH LRN 467 [M]	3
TCH LRN 469	2 - 3
TCH LRN 470	3
Fifth Year	
<i>First Term</i>	
TCH LRN 415	16
Complete History Department's Exit Survey	

Footnotes

- ¹ To meet University and College of Arts and Sciences requirements, students must take a [BSCI] course with lab and [PSCI] course with lab.
- ² Only 3 HISTORY courses may be used to meet UCORE requirements.
- ³ One from ENGLISH 201, 301, 302, or 402 is required for admission to the Teacher Education Program. Students who take ENGLISH 302 will need to take an additional [WRTG] or [COMM] course.
- ⁴ 200-level HISTORY course: Choose one from HISTORY 230, 232, 270, 271, 272, 273, 274, or 275.
- ⁵ History education majors must choose their 12 hours of 300-400-level electives from the following: one from early U.S.: HISTORY 311, 313, 314, 316, or 415; one from Modern U.S.: HISTORY 312, 318, 319 or 417; one from Europe:

HISTORY 340, 341, 342, 343, 344, 345, 347, 349, 350, 353, 354, 356, 359, 367, 368, 381, 382, 386, 391, 444, 448 or 463; and one from non-West: HISTORY 120, 121, 291, 294, 306, 315, 325, 330, 331, 332, 333, 334, 335, 337, 339, 364, 366, 370, 371, 372, 373, 374, 377, 387, 388, 435, 436, 474, 475, 476, 483, 492, or 495.

⁶ Two years of high school foreign language or at least two semesters of college-level foreign language are required by the College of Arts and Sciences for graduation.

History – General Option (120 Credits)

First Year

<i>First Term</i>	<i>Credits</i>
Arts [ARTS]	3
ENGLISH 101 [WRTG]	3
Humanities [HUM]	3
Quantitative Reasoning [QUAN]	3 or 4
Electives	4
 <i>Second Term</i>	 <i>Credits</i>
Communication [COMM] or Written Communication [WRTG]	3
Diversity [DIVR]	3
HISTORY 105 [ROOT]	3
Social Sciences [SSCI]	3
Electives	3

Second Year

<i>First Term</i>	<i>Credits</i>
Arts [ARTS], Humanities [HUM], or Social Sciences [SSCI]	3
Equity and Justice [EQJS]	3
Biological Sciences [BSCI] with lab ¹	4
HISTORY Electives ²	6
Electives	3
 <i>Second Term</i>	 <i>Credits</i>
Concentration Course ³	3
Physical Sciences [PSCI] with lab ¹	4
Foreign Language, if needed, or Elective	3 or 4
HISTORY Electives ²	6
Complete Writing Portfolio	

Third Year

<i>First Term</i>	<i>Credits</i>
Concentration Course ³	3
Foreign Language, if needed, or Elective	3 or 4
HISTORY Electives ²	9

<i>Second Term</i>	<i>Credits</i>
HISTORY 300 [M]	3
Concentration Course ³	3
HISTORY Electives ²	3
Electives ⁴	6

Fourth Year

<i>First Term</i>	<i>Credits</i>
Concentration Course ³	3
HISTORY Electives ²	6
Electives ⁴	6

<i>Second Term</i>	<i>Credits</i>
HISTORY 469	3
Integrative Capstone [CAPS]	3
Electives ⁴	6
Complete History Department's Exit Survey	

Footnotes

¹ To meet University and College of Arts and Sciences requirements, students must take a [BSCI] course with lab and [PSCI] course with lab.

² History Electives – 30 credits required, minimum 15 credits at 300-400 level and one [M] course - must include 6 hours US history (HISTORY 110, 111, 201, 216, 235, 250, 280, 298, 308, 311, 312, 313 [M], 314, 316, 318, 319, 324, 328, 360, 361, 320, 321, 322, 390, 398, 409, 410, 415, 417, 423, 486, or 496), 6 hours European history (HISTORY 101, 102, 340, 341, 342, 343, 344, 345, 347, 349, 350, 353, 354, 356 [M], 359, 367, 368, 381, 382, 386, 391, 444, 448, 462, or 463 [M]) and 9 hours Non-Western/Global history (HISTORY 120, 121, 230, 270, 271, 272, 273, 274, 275, 291, 306, 325, 330 [M], 331, 332, 333, 334, 335, 337, 339, 366, 370, 371, 372 [M], 373, 374, 377 [M], 387, 388, 435, 436, 474, 475, 476 [M], 483, 492, or 495).

³ Concentration Courses (12 credits, minimum 6 credits at the 300-400-level): Courses in the same or related disciplines with the advisor's approval. In consultation with their advisor, students are encouraged to select a concentration area that best meets their career objectives. Internal concentrations and courses include: Africa and the Middle East: HISTORY 272, 273, 274, 306, 371, 372, 396; American West: HISTORY 308, 319, 320, 324, 328, 398; Asia: HISTORY

201, 270, 271, 272, 273, 275, 306, 370, 371, 372, 373, 374, 377, 379, 387, 474, 475, 476; Atlantic History: HISTORY 230, 231, 235, 250, 274, 280, 308, 313, 314, 330, 331, 332, 333, 334, 335, 339, 435, 492; Diplomatic History: HISTORY 311, 312, 366, 387, 388, 463, 486, Environmental History: HISTORY 294, 308, 324, 325, 409; Europe: HISTORY 101, 102, 340, 341, 342, 343, 344, 345, 347, 349, 350, 353, 354, 356, 355, 359, 367, 368, 386, 435, 436, 444, 448, 462; Gender and Sexuality: HISTORY 298, 335, 336, 337, 350, 398, 399; History of Imperialism/Colonialism: HISTORY 291, 313, 314, 339, 341, 354, 379, 388, 435, 436, 462, 495; Latin America: HISTORY 230, 232, 330, 331, 332, 333, 334, 335; Popular Culture and the Arts: HISTORY 216, 232, 281, 320, 321, 322, 355, 423, 444, 448, 492; Public History: HISTORY 315, 410, 427, 438, 498 (required); Race and Ethnicity: HISTORY 235, 250, 280, 298, 308, 315, 360, 361, 398; Social Movements: HISTORY 281, 307, 345, 360, 399, 423, 426; Science and Technology: HISTORY 294, 301, 381, 382, 483; United States: HISTORY 110, 111, 216, 250, 298, 307, 308, 311, 312, 313, 314, 316, 318, 319, 320, 324, 326, 328, 360, 388, 390, 398, 399, 409, 410, 415, 417, 426; War and Peace: HISTORY 316, 318, 319, 345, 349, 364, 366, 368, 386, 387, 388, 390, 391. Students may not use the 12-credit concentration areas to fulfill the 6 hours of US history, 6 hours of European history, and 9 hours of Non-Western/Global history required in the major.

⁴ Electives should include sufficient 300-400-level courses to meet University requirement of 40 credits of upper division coursework.

History – Pre–Law Option (120 Credits)

First Year

<i>First Term</i>	<i>Credits</i>
Biological Sciences [BSCI] with lab ¹	4
COM 102 [COMM]	3
ENGLISH 101 [WRTG]	3
Humanities [HUM]	3
Quantitative Reasoning [QUAN]	3 or 4

<i>Second Term</i>	<i>Credits</i>
ANTH 101 [DIVR]	3
Arts [ARTS]	3
HISTORY 105 [ROOT]	3
Physical Sciences [PSCI] with lab ¹	4
PSYCH 105 [SSCI]	3

Second Year

<i>First Term</i>	<i>Credits</i>
-------------------	----------------

SOC 101	3
Pre-Law Option ³	3
HISTORY Electives ²	6
Electives	4
<i>Second Term</i>	<i>Credits</i>
Pre-Law Option ³	6
Foreign Language, if needed, or Elective	3 or 4
HISTORY Electives ²	6
Complete Writing Portfolio	
Third Year	
<i>First Term</i>	<i>Credits</i>
HISTORY 300 [M]	3
Pre-Law Option ³	6
Foreign Language, if needed, or Elective	3 or 4
HISTORY Elective ²	3
<i>Second Term</i>	<i>Credits</i>
Pre-Law Option ³	3
HISTORY Electives ²	6
Equity and Justice [EQJS]	3
300-400-level Electives	6-3
Fourth Year	
<i>First Term</i>	<i>Credits</i>
300-400-level Pre-Law Option ³	3
HISTORY Electives ²	6
300-400-level Electives	6
<i>Second Term</i>	<i>Credits</i>
HISTORY 469 [M]	3
Integrative Capstone [CAPS]	3
HISTORY Elective ²	3
300-400-level Electives	3
Complete History Department's Exit Survey	

Footnotes

¹ To meet University and College of Arts and Sciences requirements, students must take a [BSCI] course with lab and [PSCI] course with lab.

² History Electives – 30 credits required, minimum 15 credits at 300-400 level and one [M] course - must include 6 hours US history (HISTORY 110, 111,

201, 216, 235, 250, 280, 298, 308, 311, 312, 313 [M], 314, 316, 318, 319, 324, 328, 360, 361, 320, 321, 322, 390, 398, 409, 410, 415, 417, 423, 486, or 496), 6 hours European history (HISTORY 101, 102, 340, 341, 342, 343, 344, 345, 347, 349, 350, 353, 354, 356 [M], 359, 367, 368, 381, 382, 386, 391, 444, 448, 462, or 463 [M]) and 9 hours Non-Western/Global history (HISTORY 120, 121, 230, 270, 271, 272, 273, 274, 275, 291, 306, 325, 330 [M], 331, 332, 333, 334, 335, 337, 339, 366, 370, 371, 372 [M], 373, 374, 377 [M], 387, 388, 435, 436, 474, 475, 476 [M], 483, 492, or 495).

³ Pre-Law requirements (may also fulfill UCORE requirements) – Political Science: POL S 300 and two courses from POL S 101, 102, or 206; Business/Accounting: two courses from ECONS 101, 102, 198, ACCTG 220, or B LAW 210; Social Sciences/Humanities: one course from PHIL 201, 360, 370, or 470; English: one course from ENGLISH 201, 301 or 402 [M].

Social Studies – Education Option (~~132~~ 135 Credits)

First Year

<i>First Term</i>	<i>Credits</i>
Arts [ARTS] (Non-History) ¹	3
Biological Sciences [BSCI] with lab ²	4
ENGLISH 101 [WRTG]	3
HISTORY 101 [HUM]	3
Quantitative Reasoning [QUAN]	3 or 4
<i>Second Term</i>	<i>Credits</i>
ANTH 101 [DIVR] or 203 [DIVR]	3
HISTORY 102	3
HISTORY 105 [ROOT]	3
Physical Sciences [PSCI] with lab ²	4
SOC 102 [SSCI]	3

Second Year

<i>First Term</i>	<i>Credits</i>
200-level HISTORY course ³	3
ECONS 102	3
HISTORY 110	3
POL S 101	3
Foreign Language, if needed ⁴	0-4
<i>Second Term</i>	<i>Credits</i>
ENGLISH 201 [WRTG], 301 [WRTG], 302 [M], or 402 [WRTG] ⁵	3

HISTORY 111	3
HISTORY 120	3
HISTORY 308 or 410	3
Foreign Language, if needed ⁴	0-4
Complete Writing Portfolio	

Third Year

<i>First Term</i>	<i>Credits</i>
European History Elective ⁶	3
HISTORY 121	3
HISTORY 300 [M] or SOC 320	3
TCH LRN 301	3
Equity and Justice [EQJS]	3

<i>Second Term</i>	<i>Credits</i>
ANTH/POL S/PSYCH/SOC Elective ⁷	3
Geography Elective ⁸	3
HISTORY 279	3
HISTORY 324	3
HISTORY 469 [M]	3

<i>Third Term</i>	<i>Credits</i>
TCH LRN 317 (Summer Session)	2

Fourth Year

<i>First Term</i>	<i>Credits</i>
Integrative Capstone [CAPS] ¹	3
Non-Western/Global History Elective ⁹	3
TCH LRN 464	3
TCH LRN 465	3
TCH LRN 466	2

<i>Second Term</i>	<i>Credits</i>
American History Elective ¹⁰	3
ED PSYCH 468	3
HISTORY 380	3
TCH LRN 467 [M]	3
TCH LRN 469	2 - 3
TCH LRN 470	3

Fifth Year

<i>First Term</i>	<i>Credits</i>
-------------------	----------------

Complete History Department's Exit Survey

Footnotes

- ¹ Only 3 HISTORY courses may be used to meet UCORE requirements.
- ² To meet University and College of Arts and Sciences requirements, students must take a [BSCI] course with lab and [PSCI] course with lab.
- ³ 200-level HISTORY course: Choose one from HISTORY 230, 232, 270, 271, 272, 273, 274, or 275.
- ⁴ Two years of high school foreign language or at least two semesters of college-level foreign language are required by the College of Arts and Sciences for graduation.
- ⁵ One from ENGLISH 201, 301, 302, or 402 is required for admission to the Teacher Education Program. Students who take ENGLISH 302 will need to take an additional [WRTG] or [COMM] course.
- ⁶ European History Elective (3 credits required): Approved courses include HISTORY 340, 341, 342, 343, 344, 345, 347, 349, 350, 353, 354, 356 [M], 359, 367, 368, 381, 382, 386, 391, 444, 448, 462, and 463 [M].
- ⁷ ANTH/POL S/PSYCH/SOC Electives (3 credits required): Approved courses include ANTH 307, 316, 320, 330, 331, 350, POL S 300, 316, 427, 450, 455, PSYCH 310, 324, 361, 470, SOC 320, 346, 351, 384, and 430. Courses may not be used to fulfill more than one major requirement.
- ⁸ Geography Elective (3 credits required): Approved courses include ANTH 309, HISTORY 319, 495, and TCH LRN 487.
- ⁹ Non-Western/Global History Elective (3 credits required): Approved courses include HISTORY 120, 121, 291, 294, 306, 325, 330 [M], 331, 332, 333, 334, 335, 337, 339, 364, 366, 370, 371, 372 [M], 373, 374, 377 [M], 387, 388, 435, 436, 474, 475, 476 [M], 483, 492, and 495.
- ¹⁰ American History Elective (3 credits required): Approved courses include HISTORY 311, 312, 313 [M], 314, 315, 316, 318, 319, 320, 321, 322, 328, 360, 361, 390, 398, 409, 410, 415, 417, 423, and 486.

**Languages,
Cultures, and
Race**

Chinese Language and Culture (120 Credits)

First Year

<i>First Term</i>	<i>Credits</i>
Arts [ARTS]	3
CHINESE 101, 102, 203 or Elective	4
ENGLISH 101 [WRTG]	3
FOR LANG 101, 110, 120, 130, or 220	3
Quantitative Reasoning [QUAN]	3

Second Term

Credits

CHINESE 102, 203 or Elective ¹	4
CHINESE 111, 120, 121, or 131	3
Communication [COMM] or Written Communication [WRTG]	3
HISTORY 105 [ROOT]	3
Equity and Justice [EQJS]	3
Second Year	
<i>First Term</i>	<i>Credits</i>
Biological Sciences [BSCI] with lab ²	4
CHINESE 203 or Elective ¹	4
Social Sciences [SSCI]	3
Electives ³	4
<i>Second Term</i>	<i>Credits</i>
CHINESE 204 or 307	3
CHINESE 311 [M], 320 [M], 321[M], or 330 [M]	3
Humanities [HUM]	3
Physical Sciences [PSCI] with lab ²	4
Electives ³	3
Communication [COMM] or Written Communication [WRTG]	3
Complete Writing Portfolio	
Third Year	
<i>First Term</i>	<i>Credits</i>
CHINESE 306, 307, or 308	3
CHINESE 361, 363, 364, or 450	3
Chinese Area Studies Elective ⁴	3
Diversity [DIVR]	3
Elective ³	3
<i>Second Term</i>	<i>Credits</i>
Arts [ARTS], Humanities [HUM], or Social Sciences [SSCI]	3
CHINESE 306, 307, or 308	3
300-400-level Electives ³	3
Electives ³	6-9
Fourth Year	
<i>First Term</i>	<i>Credits</i>
CHINESE 306, 307, or 308	3
Chinese Area Studies Elective ⁴	3
300-400-level Electives ³	9

<i>Second Term</i>	<i>Credits</i>
CHINESE 361, 363, 364, or 450	3
Chinese Area Studies Elective ⁴	3
Integrative Capstone [CAPS]	3
300-400-level Electives ³	6
Exit Proficiency Exam	

Footnotes

- ¹ Student must meet proficiency requirement to enroll in CHINESE 204. Study abroad in an immersion program in China or Taiwan is strongly recommended.
- ² To meet University and College of Arts and Sciences requirements, students must take a [BSCI] course with lab and [PSCI] course with lab.
- ³ Electives must be represented by an approved university minor in a second foreign language; 16 credits in a concentrated related field; or a second major in another field. Electives should include sufficient 300-400 level coursework to meet University requirement of 40 upper division credits.
- ⁴ Chinese Area Studies (9 credits): Approved courses include ASIA 302 [M], 314, 315 [M], 476 [M], CES 314 [M], 315 [M], and POL S 333, or as approved by advisor. University requirements include a total of two [M] courses.

Comparative Ethnic Studies (120 Credits)

First Year

<i>First Term</i>	<i>Credits</i>
Arts [ARTS]	3
CES 201	3
ENGLISH 101 [WRTG]	3
Quantitative Reasoning [QUAN]	3 or 4

<i>Second Term</i>	<i>Credits</i>
Communication [COMM] or Written Communication [WRTG]	3
Diversity [DIVR]	3
HISTORY 105 [ROOT]	3
Social Sciences [SSCI]	3
Electives	3
Equity and Justice [EQJS]	3

Second Year

<i>First Term</i>	<i>Credits</i>
Biological Sciences [BSCI] with lab ¹	4
CES Elective ²	3

Foreign Language and/or Electives	6
Humanities [HUM]	3
<i>Second Term</i>	<i>Credits</i>
Arts [ARTS], Humanities [HUM], or Social Sciences [SSCI]	3
CES Elective ²	3
Foreign Language and/or Electives	6
Physical Sciences [PSCI] with lab ¹	4
Electives	3
Complete Writing Portfolio	
Third Year	
<i>First Term</i>	<i>Credits</i>
CES 301 [M]	3
300-400-level CES Elective ²	3
CES Sub-core ³	6
Electives	4
<i>Second Term</i>	<i>Credits</i>
CES Sub-core ³	3
300-400-level CES Electives ²	6
300-400-level Electives	6
Fourth Year	
<i>First Term</i>	<i>Credits</i>
300-400-level CES Elective ²	3
Electives	12
<i>Second Term</i>	<i>Credits</i>
CES 489 [CAPS]	3
300-400-level Electives	12

Footnotes

¹ To meet University and College of Arts and Sciences requirements, students must take a [BSCI] course with lab and [PSCI] course with lab.

² CES Electives: 18 credits including 12 credits of 300-400-level course work. CES Electives and sub-core must include course work to meet the University requirement of 2 [M] courses. Approved courses include AMER ST 475; CES 111, 131, 151, 171, 209, 220, 240, 244, 254, 255, 260, 271, 280, 308, 313, 314 [M], 325, 331, 332 [M], 335, 336, 338, 353 [M], 357, 358 [M], 373 [M], 379, 380, 405, 406, 407, 413, 426, 440, 444, 446, 454, 465, 470, 491 [M]; CES 372/ANTH 312; CES /WGSS 411.

³ CES Sub-core courses are (9 Credits): CES 301 [M], 325, 440, 446, and 491 [M]. CES Sub-core and Electives must include coursework to meet University requirement of 2 [M] courses.

French (120 Credits)

First Year

<i>First Term</i>	<i>Credits</i>
FOR LANG 101 [DIVR], 110 [DIVR], 120 [DIVR], or 220 [DIVR]	3
FRENCH 101, 102, 203, or Elective ¹	4
FRENCH 105 or Elective	1
HISTORY 105 [ROOT]	3
SLCR Culture Course ²	3

<i>Second Term</i>	<i>Credits</i>
ENGLISH 101 [WRTG]	3
FRENCH 102, 203, or Elective ¹	4
FRENCH 105 or Elective	1
Quantitative Reasoning [QUAN]	3
SLCR Culture Course²	3
Equity and Justice [EQJS]	3

Second Year

<i>First Term</i>	<i>Credits</i>
Biological Sciences [BSCI] with lab ³	4
FRENCH 203 or Elective ¹	4
FRENCH 205 or Elective	1
Social Sciences [SSCI]	3
SLCR Culture Course²	3
Electives⁴	3

<i>Second Term</i>	<i>Credits</i>
FRENCH 110 [HUM] or 120 [HUM]	3
FRENCH 204	4
FRENCH 205 or Elective	1
Physical Sciences [PSCI] with lab ³	4
Electives ⁴	3
Complete Writing Portfolio	

Third Year

<i>First Term</i>	<i>Credits</i>
-------------------	----------------

FRENCH 305 or Elective	1
FRENCH 306, 307, or 308 [M]	3
FRENCH 361 [COMM]	3
Electives ⁴	9
<i>Second Term</i>	<i>Credits</i>
Arts [ARTS]	3
FRENCH 305 or Elective	1
FRENCH 306, 307, or 308 [M]	3
FRENCH 320	3
Electives ⁴	4
Fourth Year	
<i>First Term</i>	<i>Credits</i>
FRENCH 306, 307, or 308 [M]	3
FRENCH 310 or 410 [CAPS]	3
FRENCH 405 or Elective	1
Electives ⁴	9
<i>Second Term</i>	<i>Credits</i>
FRENCH 350 or 450 [M]	3
FRENCH 405 or Elective	1
FRENCH 408 [M]	3
FRENCH 420 [CAPS]	3
Electives ⁴	6
Exit Proficiency Exam	

Footnotes

¹ Student must meet proficiency requirement to enroll in FRENCH 204.

² SLCR Culture Course (6 credits): Choose from CHINESE 111, 120, 121, 131; GERMAN 110, 120; SPANISH 110, 111, 120, 121; JAPANESE 120, or 123.

³ To meet University and College of Arts and Sciences requirements, students must take a [BSCI] course with lab and [PSCI] course with lab.

⁴ Electives must be represented by an approved university minor in a second foreign language; 16 credits in a concentrated related field; or a second major in another field. Electives should include sufficient 300-400 level coursework to meet University requirement of 40 upper division credits.

French – Secondary Education (120 Credits)

First Year

<i>First Term</i>	<i>Credits</i>
ENGLISH 101 [WRTG]	3
FOR LANG 101 [DIVR] or 110 [DIVR]	3
FRENCH 120 [HUM]	3
FRENCH 203 ¹	4
FRENCH 205 or Elective ²	1
<i>Second Term</i>	<i>Credits</i>
ENGLISH 201 [WRTG]	3
FRENCH 204	4
FRENCH 205 or Elective ²	1
HISTORY 105 [ROOT]	3
Quantitative Reasoning [QUAN]	3
Equity and Justice [EQJS]	3
Second Year	
<i>First Term</i>	<i>Credits</i>
Biological Sciences [BSCI] with lab ³	4
FRENCH 306, 307, or 308 [M]	3
Social Sciences [SSCI]	3
Quantitative Reasoning [QUAN]	3
Electives	3
<i>Second Term</i>	<i>Credits</i>
Arts [ARTS]	3
FRENCH 306, 307, or 308 [M]	3
FRENCH 310, 320 [M], 350, or 361	3
Physical Sciences [PSCI] with lab ³	4
TCH LRN 301	3
Apply for certification into the Secondary Teacher Certificate Program	
Complete Writing Portfolio	
<i>Third Term</i>	<i>Credits</i>
TCH LRN 317 Initial Practicum Experience (Summer)	2
Third Year	
<i>First Term</i>	<i>Credits</i>
Arts [ARTS], Humanities [HUM], or Social Sciences [SSCI]	3
FOR LANG 440	3
FRENCH 306, 307, or 308 [M]	3
FRENCH 310, 320 [M], 350, or 361	3
Electives	3

<i>Second Term</i>	<i>Credits</i>
FRENCH 408 [M]	3
TCH LRN 464	3
TCH LRN 465	3
TCH LRN 466	3

<i>Third Term</i>	<i>Credits</i>
FOR LANG 380, 480, or 495 (Summer abroad or internship in Francophone country) ⁴	6

Fourth Year

<i>First Term</i>	<i>Credits</i>
ED PSYCH 468	3
FRENCH 420 [CAPS]	3
TCH LRN 467	3
TCH LRN 469	3
TCH LRN 470	3

Complete FL proficiency Exit Exam

Pass Designated World Language WEST-E and American Council on the Teaching of Foreign Languages (ACTFL) at the advance-low level

<i>Second Term</i>	<i>Credits</i>
TCH LRN 415 Student Teaching	16

Footnotes

¹ Student must meet proficiency requirement to enroll in FRENCH 203.

² FRENCH 205 is not required for degree. Students who do not take FRENCH 205 may need elective credits to meet University graduation requirement of 120 credits.

³ To meet University and College of Arts and Sciences requirements, students must take a [BSCI] course with lab and [PSCI] course with lab.

⁴ The summer abroad or internship in Francophone country requirement may be satisfied by taking two additional upper division WSU FRENCH courses not used to fulfill other major requirements.

Japanese (120 Credits)

First Year

<i>First Term</i>	<i>Credits</i>
Biological Sciences [BSCI] with lab ¹	4
ENGLISH 101 [WRTG]	3

FOR LANG 101, 110, 120, 130, or 220	3
JAPANESE 101, 102, 203, or Elective ²	4
JAPANESE 105 or Elective	1
<i>Second Term</i>	<i>Credits</i>
HISTORY 105 [ROOT]	3
JAPANESE 102, 203, or Elective ²	4
JAPANESE 111, 120, 123, or 131	3
Quantitative Reasoning [QUAN]	3
Electives ³	3
Equity and Justice [EQJS]	3
Second Year	
<i>First Term</i>	<i>Credits</i>
JAPANESE 203 or Elective ²	4
JAPANESE 205 or Elective	1
Physical Sciences [PSCI] with lab ¹	4
Social Sciences [SSCI]	3
Electives ³	3
<i>Second Term</i>	<i>Credits</i>
Arts [ARTS]	3
Communication [COMM] or Written Communication [WRTG]	3
Humanities [HUM]	3
JAPANESE 204	4
JAPANESE 205 or Elective	1
Complete Writing Portfolio	
Third Year	
<i>First Term</i>	<i>Credits</i>
Area Studies Courses ⁴	3
ASIA 330 [M], CHINESE 311 [M], JAPANESE 320 [M], or JAPANESE 322 [DIVR] ⁵	3
JAPANESE 306, 307, 308, or 361	3
Electives ³	6
<i>Second Term</i>	<i>Credits</i>
Arts [ARTS], Humanities [HUM], or Social Sciences [SSCI]	3
ASIA 330 [M], CHINESE 311 [M], JAPANESE 320 [M], or JAPANESE 322 [DIVR] ⁵	3
FOR LANG 440 if teaching major or Electives	4
JAPANESE 305 or Elective	1

JAPANESE 306, 307, 308, or 361	3
Electives³	3
Fourth Year	
<i>First Term</i>	<i>Credits</i>
ASIA 330 [M], CHINESE 311 [M], JAPANESE 320 [M], or JAPANESE 322 [DIVR] ⁵	3
FOR LANG 441 if teaching major or 300-400-level Electives ⁶	3
JAPANESE 305 or Elective	1
JAPANESE 306, 307, 308, or 361	3
Electives 3 . ⁶	6
<i>Second Term</i>	<i>Credits</i>
Area Studies Courses ⁴	3
Integrative Capstone [CAPS]	3
Electives ⁶	9
Language Proficiency Exam	

Footnotes

- ¹ To meet University and College of Arts and Sciences requirements, students must take a [BSCI] course with lab and [PSCI] course with lab.
- ² Student must meet proficiency requirement to enroll in JAPANESE 204.
- ³ Electives must be represented by an approved university minor in a second foreign language; 16 credits in a concentrated related field; or a second major in another field. Electives should include sufficient 300-400 level coursework to meet University requirement of 40 upper division credits.
- ⁴ Area Studies courses: Students must take 6 credits in Japanese-related courses from CES 313, 314, 315, 411, and 413; ASIA 275, 374, 387, 477, and 479; FINE ART 302; PHIL 314 and 315; or as approved by advisor.
- ⁵ Students who do not take JAPANESE 322 must take another course to fulfill University Diversity [DIVR] requirement.
- ⁶ Electives may need to include up to 6 credits of major coursework at the 400-level to meet the major requirement. Approved courses are JAPANESE courses and Area Studies courses, or as approved by advisor. The University requires a minimum of 40 credits of 300-400-level coursework.

Social Sciences Major – Personnel Psychology/Human Resources Option (Vancouver-only) (120 Credits)

First Year

<i>First Term</i>	<i>Credits</i>
Biological Sciences [BSCI] with lab ¹	4

ENGLISH 101 [WRTG]	3
Humanities [HUM]	3
Quantitative Reasoning [QUAN]	3
Social Sciences [SSCI]	3
<i>Second Term</i>	<i>Credits</i>
Arts [ARTS]	3
Equity and Justice [EQJS]	3
Communication [COMM] or Written Communication [WRTG]	3
HISTORY 105 [ROOT]	3
Physical Sciences [PSCI] with lab ¹	4
Second Year	
<i>First Term</i>	<i>Credits</i>
PSYCH 306	3
Foreign Language, if necessary, and/or Electives	12
<i>Second Term</i>	<i>Credits</i>
Arts [ARTS], Humanities [HUM], or Social Sciences [SSCI]	3
Arts [ARTS]	3
Diversity [DIVR]	3
PSYCH 308	3
Foreign Language, if necessary, and/or Electives	6
Complete Writing Portfolio	
Third Year	
<i>First Term</i>	<i>Credits</i>
H D 406	3
MGMT 301	3
PSYCH 311	4
Area 1 Electives ²	3
Electives	3
<i>Second Term</i>	<i>Credits</i>
Area 1 Electives ²	3
Area 2 Electives ³	3
Area 3 Electives ⁴	3
Electives	6
Fourth Year	
<i>First Term</i>	<i>Credits</i>
Area 1 Electives ²	3

Area 2 Electives ³	3
Area 3 Electives ⁴	3
Electives	6
<i>Second Term</i> <i>Credits</i>	
Integrative Capstone [CAPS]	3
Area 3 Electives ⁴	3
Electives	9

Footnotes

- ¹ To meet University and College of Arts and Sciences requirements, students must take a [BSCI] course with lab and [PSCI] course with lab.
- ² Area 1 electives: PSYCH 309, 350, 412, 470, or 495.
- ³ Area 2 electives: H D 301, 350, 385, 403, or 430.
- ⁴ Area 3 electives: I BUS 453 [M], MGMT 401 [M], 450, 455, 456 [M], 485 [M], 487, 496. Must include two [M] courses.

**Social Sciences or Humanities Major – Plan A Option
(120 Credits)**

First Year

<i>First Term</i>	<i>Credits</i>
Arts [ARTS]	3
Biological Sciences [BSCI] with lab ¹	4
ENGLISH 101 [WRTG]	3
Humanities [HUM]	3
Quantitative Reasoning [QUAN]	3

<i>Second Term</i>	<i>Credits</i>
Communication [COMM] or Written Communication [WRTG]	3
HISTORY 105 [ROOT]	3
Physical Sciences [PSCI] with lab ¹	4
Social Sciences [SSCI]	3
Equity and Justice [EQJS]	3
Foreign Language, if necessary, or Elective	3 or 4

Second Year

<i>First Term</i>	<i>Credits</i>
Arts [ARTS], Humanities [HUM], or Social Sciences [SSCI]	3

Social Sciences [SSCI]	3
Primary Concentration	3
Secondary Concentration	3
Foreign Language, if necessary, and/or Elective	6
<i>Second Term</i>	<i>Credits</i>
Diversity [DIVR]	3
Primary Concentration	3
Secondary Concentration	3
Electives	4
Complete Writing Portfolio	
Third Year	
<i>First Term</i>	<i>Credits</i>
300-400-level Primary Concentration ²	3
Primary Concentration	3
Secondary Concentration	3
Electives	6
<i>Second Term</i>	<i>Credits</i>
300-400-level Primary Concentration ²	3
300-400-level Secondary Concentration ²	3
Integrative Capstone [CAPS]	3
Electives	6
Fourth Year	
<i>First Term</i>	<i>Credits</i>
300-400-level Primary Concentration ²	6
300-400-level Secondary Concentration ²	3
Electives ²	6
<i>Second Term</i>	<i>Credits</i>
300-400-level Primary Concentration ²	3
Electives ²	12

Footnotes

¹ To meet University and College of Arts and Sciences requirements, students must take a [BSCI] course with lab and [PSCI] course with lab.

² Students must take a total of 40 credits of upper-division (300-400 level). 21 upper-division credits must be taken within the designated concentration areas. The UCORE requirements include 3 upper-division credits. The remaining 16 credits may be taken in the electives, the UCOREs, or by electing to take more than the minimum required in the areas. Among the 300-400 level course work

in the areas, two courses, each at 3 credits, must have a [M] designation. Only 6 credits of internship or P, F credits are allowed to count towards major requirements.

Social Sciences or Humanities Major – Plan B Option (120 Credits)

First Year

<i>First Term</i>	<i>Credits</i>
Arts [ARTS]	3
Biological Sciences [BSCI] with lab ¹	4
HISTORY 105 [ROOT]	3
Humanities [HUM]	3
Quantitative Reasoning [QUAN]	3
<i>Second Term</i>	<i>Credits</i>
Communication [COMM] or Written Communication [WRTG]	3
ENGLISH 101 [WRTG]	3
Physical Sciences [PSCI] with lab ¹	4
Social Sciences [SSCI]	3
Electives	3
Equity and Justice [EQJS]	3

Second Year

<i>First Term</i>	<i>Credits</i>
Area 1	3
Area 2	3
Foreign Language, if necessary, and/or Electives	7
<i>Second Term</i>	<i>Credits</i>
Area 1	3
Area 3	3
Diversity [DIVR]	3
Foreign Language, if necessary, and/or Electives	6
Complete Writing Portfolio	

Third Year

<i>First Term</i>	<i>Credits</i>
300-400-level Area 1 ²	3
Area 2	3

Area 3	3
Arts [ARTS], Humanities [HUM], or Social Sciences [SSCI]	3
Electives	3 6
<i>Second Term</i> <i>Credits</i>	
300-400-level Area 2 ²	3
300-400-level Area 3 ²	3
Integrative Capstone [CAPS]	3
Electives	6
Fourth Year	
<i>First Term</i> <i>Credits</i>	
300-400 Any Area ²	9
Electives ²	6
<i>Second Term</i> <i>Credits</i>	
300-400 Any Area ²	3
Electives ²	12

Footnotes

¹ To meet University and College of Arts and Sciences requirements, students must take a [BSCI] course with lab and [PSCI] course with lab.

² Students must take a total of 40 credits of upper-division (300-400 level). 21 upper-division credits must be taken within the designated concentration areas. The UCORE requirements include 3 upper-division credits. The remaining 16 credits may be taken in the electives, the UCOREs, or by electing to take more than the minimum required in the areas. Among the 300-400 level course work in the areas, two courses, each at 3 credits, must have a [M] designation. Only 6 credits of internship or P, F credits are allowed to count towards major requirements.

Spanish (120 Credits)

First Year

<i>First Term</i> <i>Credits</i>	
ENGLISH 101 [WRTG]	3
FOR LANG 101, 110, 120, 130, or 220	3
MATH 103 (if needed) or Electives ¹	3
SPANISH 101, 102, 203 or Elective ²	4
<i>Second Term</i> <i>Credits</i>	
Arts [ARTS]	3
Equity and Justice [EQJS]	3

HISTORY 105 [ROOT]	3
Quantitative Reasoning [QUAN]	3
SPANISH 102, 203 or Elective ²	4
SPANISH 105 or Elective	1
Second Year	
<i>First Term</i>	<i>Credits</i>
Biological Sciences [BSCI] with lab ³	4
Communication [COMM] or Written Communication [WRTG]	3
Social Sciences [SSCI]	3
SPANISH 203 or Elective ²	4
SPANISH 205 or Elective	1
Electives ¹	3
<i>Second Term</i>	<i>Credits</i>
Humanities [HUM]	3
Physical Sciences [PSCI] with lab ³	4
SPANISH 204	4
SPANISH 205 or Elective	1
Electives ¹	4
Complete Writing Portfolio	
Third Year	
<i>First Term</i>	<i>Credits</i>
Diversity [DIVR]	3
SPANISH 306	3
SPANISH 307	3
SPANISH Film/Literature/Culture Elective ⁴	3
Electives or FOR LANG 440 if teaching major ¹	3
<i>Second Term</i>	<i>Credits</i>
Arts [ARTS], Humanities [HUM], or Social Sciences [SSCI]	3
Arts [ARTS]	3
SPANISH 305 or elective	1
SPANISH 308	3
SPANISH Film/Literature/Culture Elective ⁴	3
300-400-level Electives ¹	5
Fourth Year	
<i>First Term</i>	<i>Credits</i>
SPANISH 407	3

SPANISH 450 [M], 451 [M], 452 [M], or 453 [M]	3
Electives ¹	9
<i>Second Term</i>	
	<i>Credits</i>
Integrative Capstone [CAPS]	3
SPANISH 305 or elective	1
SPANISH 408 [M]	3
SPANISH 450 [M], 451 [M], 452 [M], or 453 [M]	3
300-400-level Electives ¹	4
Exit Proficiency Exam	

Footnotes

¹ Electives must be represented by a competence in a second foreign language up to and including 204; an approved university minor or a teaching minor; or a second major in another field.

² Student must meet proficiency requirement to enroll in SPANISH 204.

³ To meet University and College of Arts and Sciences requirements, students must take a [BSCI] course with lab and [PSCI] course with lab.

⁴ Approved SPANISH Film/Literature/Culture Electives include (two courses): SPANISH 310, 311, 320, 321, 350, 351, 361, 362, 363, 364, 365, or as approved by advisor.

Spanish – Secondary Education (120 Credits)

First Year

<i>First Term</i>		<i>Credits</i>
ENGLISH 101 [WRTG]		3
FOR LANG 101 [DIVR] or 110 [DIVR]		3
SPANISH 120 [HUM]		3
SPANISH 203 ¹		4
SPANISH 205 or Elective ²		1

<i>Second Term</i>		<i>Credits</i>
ENGLISH 201 [WRTG]		3
HISTORY 105 [ROOT]		3
Quantitative Reasoning [QUAN]		3
Equity and Justice [EQJS]		3
SPANISH 204		4
SPANISH 205 or Elective ²		1

Second Year

<i>First Term</i>	<i>Credits</i>
-------------------	----------------

Biological Sciences [BSCI] with lab ³	4
Social Sciences [SSCI]	3
Quantitative Reasoning [QUAN]	3
SPANISH 306	3
SPANISH 308	3
<i>Second Term</i>	<i>Credits</i>
Arts [ARTS]	3
Physical Sciences [PSCI] with lab ³	4
SPANISH 307	3
SPANISH Film/Literature/Culture Elective ⁴	3
TCH LRN 301	3
Apply for certification into the Secondary Teacher Certificate Program	
Complete Writing Portfolio	
<i>Third Term</i>	<i>Credits</i>
TCH LRN 317 Initial Practicum Experience (Summer)	2
Third Year	
<i>First Term</i>	<i>Credits</i>
Arts [ARTS], Humanities [HUM], or Social Sciences [SSCI]	3
Social Sciences [SSCI]	3
FOR LANG 440	3
SPANISH 407 or 408 [M]	3
SPANISH 450 [M], 451 [M], 452 [M], or 453 [M]	3
SPANISH Film/Literature/Culture Elective ⁴	3
<i>Second Term</i>	<i>Credits</i>
SPANISH 407 or 408 [M]	3
SPANISH 450 [M], 451 [M], 452 [M], or 453 [M]	3
TCH LRN 464	3
TCH LRN 465	3
TCH LRN 466	3
Fourth Year	
<i>First Term</i>	<i>Credits</i>
ED PSYCH 468	3
SPANISH 420 [CAPS] or FOR LANG 410 [CAPS]	3
TCH LRN 467	3
TCH LRN 469	3
TCH LRN 470	3
Complete FL proficiency Exit Exam	

	<p>Pass Designated World Language WEST-E and American Council on the Teaching of Foreign Languages (ACTFL) at the advance-low level</p> <p><i>Second Term</i> <i>Credits</i></p> <p>TCH LRN 415 Student Teaching 16</p> <hr/> <p>Footnotes</p> <p>¹ Student must meet proficiency requirement to enroll in SPANISH 203.</p> <p>² SPANISH 205 is not required for degree. Students who do not take SPANISH 205 may need elective credits to meet University graduation requirement of 120 credits.</p> <p>³ To meet University and College of Arts and Sciences requirements, students must take a [BSCI] course with lab and [PSCI] course with lab.</p> <p>⁴ SPANISH Film/Literature/Culture Electives: Approved courses include SPANISH 310, 311, 320, 321, 350, 351, 361, 362, 363, 364, 365, or as approved by advisor.</p>
<p>Physics and Astronomy</p>	<p>Applied Physics Option (120 123 Credits)</p> <p>First Year</p> <p><i>First Term</i> <i>Credits</i></p> <p>CHEM 105 [PSCI] 4</p> <p>ENGLISH 101 [WRTG] 3</p> <p>MATH 171 [QUAN] 4</p> <p>MSE 110 2</p> <p>PHYSICS 188 1</p> <p><i>Second Term</i> <i>Credits</i></p> <p>CHEM 106 4</p> <p>ENGR 120 2</p> <p>HISTORY 105 [ROOT] 3</p> <p>MATH 172 4</p> <p>PHYSICS 189 1</p> <p>Second Year</p> <p><i>First Term</i> <i>Credits</i></p> <p>ECONS 101 [SSCI] 3</p> <p>MATH 220 2</p> <p>MATH 273 2</p> <p>PHYSICS 201 3</p> <p>PHYSICS 211 1</p>

Foreign Language, if needed ¹	0-4
Option Elective ²	3
Equity and Justice [EQJS]	3
<i>Second Term</i>	<i>Credits</i>
Arts [ARTS]	3
ECONS 102	3
MATH 315	3
PHYSICS 202	3
PHYSICS 212	1
Foreign Language, if needed ¹	0-4
Option Elective ²	3
Complete Writing Portfolio	
Third Year	
<i>First Term</i>	<i>Credits</i>
PHYSICS 303	3
PHYSICS 320	3
PHYSICS 341	3
STAT 360 or 370	3
Option Elective ²	3
<i>Second Term</i>	<i>Credits</i>
Biological Sciences [BSCI]	3
PHYSICS 304	3
PHYSICS 330	3
PHYSICS 342	3
PHYSICS 489	1
Option Elective ²	3
Fourth Year	
<i>First Term</i>	<i>Credits</i>
COM 400 [COMM], ENGLISH 301 [WRTG], or ENGLISH 402 [WRTG]	3
Humanities [HUM]	3
PHYSICS 443	3
PHYSICS 450	3
PHYSICS 490 [M]	1
Option Elective ²	3
<i>Second Term</i>	<i>Credits</i>
Diversity [DIVR]	3

Integrative Capstone [CAPS]	3
PHYSICS 415 [M]	3
PHYSICS Electives ³	3
Option Elective ²	3

Footnotes

¹ Two years of high school foreign language or at least two semesters of college-level foreign language are required by the College of Arts and Sciences for graduation.

² Option Electives (18 credits): Choose from CE, CPT S, E E, ME, and MSE courses not used to fulfill other requirements.

³ Physics Electives (3 credits): Choose any 300-400-level ASTRONOM or PHYSICS courses not used to fulfill other requirements.

Astrophysics Option (120 Credits)

First Year

<i>First Term</i>	<i>Credits</i>
CHEM 105 [PSCI]	4
ENGLISH 101 [WRTG]	3
MATH 171 [QUAN]	4
PHYSICS 188	1
Social Sciences [SSCI]	3

<i>Second Term</i>	<i>Credits</i>
CHEM 106 or 116	4
HISTORY 105 [ROOT]	3
MATH 172	4
PHYSICS 189	1
PHYSICS 201	3
PHYSICS 211	1

Second Year

<i>First Term</i>	<i>Credits</i>
Biological Sciences [BSCI]	3
MATH 220	2
MATH 273	2
PHYSICS 202	3
PHYSICS 212	1

PHYSICS 303	3
Foreign Language, if needed	0-4
<i>Second Term</i>	<i>Credits</i>
Arts [ARTS]	3
ASTRONOM 390	1
MATH 315	3
PHYSICS 304	3
PHYSICS 330	3
Foreign Language, if needed	0-4
Complete Writing Portfolio	
Third Year	
<i>First Term</i>	<i>Credits</i>
ASTRONOM 345	3
CPT S 121, E E 221, or MATH 300 [M]	2-4
Humanities [HUM]	3
MATH Elective ¹	3
PHYSICS 320	3
PHYSICS 341	3
<i>Second Term</i>	<i>Credits</i>
ASTRONOM 435 or 436	3
COM 400 [COMM], ENGLISH 301 [WRTG], or ENGLISH 402 [WRTG]	3
MATH Elective ¹	3
PHYSICS 342	3
PHYSICS 410	4
PHYSICS 489	1
Fourth Year	
<i>First Term</i>	<i>Credits</i>
Arts [ARTS], Humanities [HUM], or Social Sciences [SSCI]	3
Equity and Justice [EQJS]	3
Diversity [DIVR]	3
PHYSICS 450	3
PHYSICS 490 [M]	1
Technical Elective ²	3
<i>Second Term</i>	<i>Credits</i>
ASTRONOM 435 or 436	3
Integrative Capstone [CAPS]	3

PHYSICS 415 [M]	3
Technical Elective ²	6

Footnotes

¹ MATH Electives (6 credits): Choose from 300-400-level MATH courses not used to fulfill other requirements.

² Technical Electives (9 credits, at least 6 must be 300-400 level): Choose from ASTRONOM, CHEM, MATH, or PHYSICS courses not used to fulfill other requirements.

Planetary Sciences Option (120 Credits)

First Year

<i>First Term</i>	<i>Credits</i>
Arts [ARTS], Humanities [HUM], or Social Sciences [SSCI]	3
<u>Equity and Justice [EQJS]</u>	<u>3</u>
CHEM 105 [PSCI]	4
ENGLISH 101 [WRTG]	3
MATH 171 [QUAN]	4
SOE 100 or PHYSICS 188	1

<i>Second Term</i>	<i>Credits</i>
CHEM 106 or 116	4
HISTORY 105 [ROOT]	3
MATH 172 or 182	4
SOE 103 or ASTRONOM 138	3

Second Year

<i>First Term</i>	<i>Credits</i>
CPT S 111	3
MATH 273 or 283	2
PHYSICS 201 [PSCI]	3
PHYSICS 211 [PSCI]	1
SOE 102	4
Foreign Language, if needed	0-4

<i>Second Term</i>	<i>Credits</i>
Biological Sciences [BSCI]	3
Diversity [DIVR]	3
MATH 220 or 230	2 or 3

PHYSICS 202	3
PHYSICS 212	1
SOE 210	4
Foreign Language, if needed	0-4
Complete Writing Portfolio	

Third Year

<i>First Term</i>	<i>Credits</i>
MATH 315	3
PHYSICS 303	3
Social Sciences [SSCI]	3
SOE 340 [M]	4
STAT 212	4

<i>Second Term</i>	<i>Credits</i>
ASTRONOM 435	3
Humanities [HUM]	3
PHYSICS 304	3
SOE 356	3
SOE 474 [CAPS] [M]	4

Fourth Year

<i>First Term</i>	<i>Credits</i>
Arts [ARTS]	3
ASTRONOM 345	3
ENGLISH 402 [WRTG] or COM 400 [COMM]	3
SOE 350	4
SOE 499 or PHYSICS 499	1

<i>Second Term</i>	<i>Credits</i>
ASTRONOM 450	3
SOE 357	3
SOE 480	3
SOIL SCI 374	3
Elective ¹	3

Footnotes

¹ Free elective (3 credits): Suggested courses are ASTRONOM 436, CHEM 300 or 400 level, DATA 115 or 209, PHYSICS 300 or 400 level, SOE 300 or 400 level, STAT 412.

Standard Option (120 Credits)

First Year

<i>First Term</i>	<i>Credits</i>
CHEM 105 [PSCI]	4
ENGLISH 101 [WRTG]	3
MATH 171 [QUAN]	4
PHYSICS 188	1
Social Sciences [SSCI]	3

<i>Second Term</i>	<i>Credits</i>
CHEM 106 or 116	4
HISTORY 105 [ROOT]	3
MATH 172	4
PHYSICS 189	1
PHYSICS 201	3
PHYSICS 211	1

Second Year

<i>First Term</i>	<i>Credits</i>
Biological Sciences [BSCI]	3
MATH 220	2
MATH 273	2
PHYSICS 202	3
PHYSICS 212	1
PHYSICS 303	3
Foreign Language, if needed ¹	0-4

<i>Second Term</i>	<i>Credits</i>
Arts [ARTS]	3
MATH 315	3
PHYSICS 304	3
PHYSICS 330	3
Foreign Language, if needed ¹	0-4
Complete Writing Portfolio	

Third Year

<i>First Term</i>	<i>Credits</i>
CPT S 121, E E 221, or MATH 300	2-4
Diversity [DIVR]	3

Humanities [HUM]	3
MATH Elective ²	3
PHYSICS 320	3
PHYSICS 341	3
<i>Second Term</i>	<i>Credits</i>
COM 400 [COMM], ENGLISH 301 [WRTG], or ENGLISH 402 [WRTG]	3
MATH Elective ²	3
PHYSICS 342	3
PHYSICS 410	4
PHYSICS 489	1
Standard Option Elective ³	3
Fourth Year	
<i>First Term</i>	<i>Credits</i>
Arts [ARTS], Humanities [HUM], or Social Sciences [SSCI]	3
Equity and Justice [EQJS]	3
PHYSICS 450	3
PHYSICS 490 [M]	1
Standard Option Electives ³	6
Technical Elective ⁴	3
<i>Second Term</i>	<i>Credits</i>
Integrative Capstone [CAPS]	3
PHYSICS 415 [M]	3
Standard Option Electives ³	4 - 6
Technical Elective ⁴	3

Footnotes

¹ Two years of high school foreign language or at least two semesters of college-level foreign language are required by the College of Arts and Sciences for graduation.

² MATH Electives (6 credits): Choose from 300-400-level MATH courses not used to fulfill other requirements.

³ Standard Option Electives (13 credits): Choose from 300-400-level ASTRONOM and PHYSICS courses not used to fulfill other requirements.

⁴ Technical Electives (6 credits, at least 3 must be 300-400 level): Choose from ASTRONOM, CHEM, MATH, or PHYSICS courses not used to fulfill other requirements.