

UNDERGRADUATE AND PROFESSIONAL MAJOR CHANGE BULLETIN NO. 7

Spring 2022

--REQUIREMENTS--

Faculty Senate approved March 3, 2022

The requirements listed below reflect the undergraduate major curricular changes approved by the Catalog Subcommittee since approval of the last Undergraduate Major Change Bulletin. All changes are underlined. Deletions are crossed out. The column to the far right indicates the date each change becomes effective. Note: Items marked {S} have been streamlined and do not require Catalog Subcommittee review.

Department	Proposed	Effective Date				
<p>Biological Sciences Revise graduation requirements for B.S. in Biology - Basic Medical Sciences Plan A, and change name of option to Basic Medical Sciences</p>	<p>Biology - Basic Medical Sciences Plan A (120 Credits)</p> <p>Candidates for the Bachelor of Science in Biology must fulfill the University and the College of Arts and Sciences requirements for graduation as described in the WSU general catalog. Admission to the major requires completion of 24 semester credits and 2.0 GPA.</p> <p>Honors students complete honors requirements in place of UCORE requirements. The math and science components of those requirements are fulfilled as part of the School requirements described below. Other University requirements include: 120 total credits, of which 40 must be 300-400-level credits; the writing portfolio; and two writing in the major courses (identified by [M] in the course listings). The College of Arts and Sciences requires two years of high school foreign language or at least two semesters of college-level foreign language. Bachelor of Science degree options in Biology and Zoology require a minimum of 19 semester credits of core BIOLOGY courses (BIOLOGY 106, 107, 301, 370 [M] or 372 [M], and 395 or 403 or 405). An additional 21 semester credits of biological sciences coursework selected in consultation with your biology advisor is required. The 21 semester credits must include 15 upper division credits, six of which must be BIOLOGY courses taken in residence at WSU, one additional BIOLOGY writing in the major course (identified by [M] in the course listings), and one BIOLOGY Capstone course (identified by the [CAPS] in the course listings). An overall GPA of at least 2.0 must be maintained in all College and School requirements. A maximum of 4 credits of coursework that are graded S, F may be used toward fulfilling School requirements or program options, and no other courses taken S or P can be applied toward fulfilling School requirements or program options. Students must complete an exit survey. Students may not double major or take a minor in any combination of Biology, Zoology, or General Studies Biological Sciences, or <u>Human Biology</u>.</p> <p>First Year</p> <table border="0" style="width: 100%;"> <tr> <td style="width: 70%;"><i>First Term</i></td> <td style="width: 30%; text-align: right;"><i>Credits</i></td> </tr> <tr> <td>Arts [ARTS]</td> <td style="text-align: right;">3</td> </tr> </table>	<i>First Term</i>	<i>Credits</i>	Arts [ARTS]	3	<p align="center">8-22</p>
<i>First Term</i>	<i>Credits</i>					
Arts [ARTS]	3					

BIOLOGY 106 [BSCI] <u>or 107 [BSCI]</u> ¹	4
CHEM 105 [PSCI]	4
<u>Diversity [DIVR]</u>	<u>3</u>
ENGLISH 101 [WRTG]	3
<i>Second Term</i>	<i>Credits</i>
BIOLOGY 106 <u>or 107</u> ¹	4
CHEM 106	4
HISTORY 105 [ROOT]	3
MATH 140 [QUAN] <u>or 171 [QUAN]</u> ¹	4
Second Year	
<i>First Term</i>	<i>Credits</i>
<u>Arts [ARTS]</u>	<u>3</u>
BIOLOGY 301	4
CHEM 345	4
Communication [COMM] or Written Communication [WRTG]	3
Foreign Language, if needed, or Electives ^{2,3}	4
<i>Second Term</i>	<i>Credits</i>
<u>BIOLOGY 370 [M] or 372 [M]</u> ¹	<u>4</u>
CHEM 348	<u>3</u>
Social Sciences [SSCI]	3
Foreign Language, if needed, and/or Electives ^{2,3}	9
Complete Writing Portfolio	
Third Year	
<i>First Term</i>	<i>Credits</i>
<u>BIOLOGY 395 or 403 or 405</u> ¹	<u>3</u>
<u>Communication [COMM] or Written Communication [WRTG]</u>	<u>3</u>
Diversity [DIVR]	3
MBIOS 303 or CHEM 370	4 or 3
PHYSICS 101 ³	3
PHYSICS 111 ³	1
<u>Program Option Elective</u> ⁴	<u>3 or 4</u>
<u>Foreign Language</u> ⁵ <u>or Electives</u> ^{2,3}	<u>3 or 4</u>
<i>Second Term</i>	<i>Credits</i>
Arts [ARTS], Humanities [HUM], or Social Sciences [SSCI]	3
<u>CHEM 370 or MBIOS 303</u>	<u>3 or 4</u>

PHIL 365 [HUM]	3
<u>Program Option Elective</u> ⁴	<u>3 or 4</u>
PHYSICS 102 ³	3
PHYSICS 112 ³	1
<u>Foreign Language</u> ⁵ or <u>Electives</u> ^{2,3}	<u>3 or 4</u>
<u>Elective</u> ^{2,3}	<u>3</u>

Fourth Year

First Term *Credits*

<u>Arts [ARTS], Humanities [HUM], or Social Sciences [SSCI]</u>	<u>3</u>
<u>Degree Program Elective</u> ⁴	<u>2-4</u>
<u>Degree Program Elective [M]</u> ⁴	3
<u>Program Option Elective, if needed</u>	<u>2 or 0</u>
300-400-level Electives	6
Electives ^{2,3}	<u>4</u> <u>12</u>

Second Term *Credits*

<u>BIOLOGY 473 [CAPS] [M], 483 [CAPS] [M], or 489 [CAPS] [M]</u> ⁶	3
<u>Degree Program Elective [M]</u> ⁴	3
300-400-level Electives	6
Electives ^{2,3}	<u>4</u> <u>12</u>

Footnotes

¹ MATH 106 may be taken the first semester as a prerequisite to other MATH courses and as a co-requisite to CHEM 105. MATH 108 may also be needed. In addition to either MATH 140 or 171, a statistics course is highly recommended, and for some programs, required.

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 ~~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.~~

PHYSICS 101/111 and 102/112 may be required for entrance to a graduate or professional program. Check with your advisor.

⁴ Degree Program Option 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]; ENGLISH 402, MBIOS 304, 305, 401, 413, 414, 423, 440, 442, 446; NEUROSCI 301, 403 [M], 404, and 430 [M].

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.

Biological Sciences Revise graduation requirements for B.S. in Biology - Ecology and Evolutionary Biology Option	Biology - Ecology and Evolutionary Biology Option (120 Credits) Candidates for the Bachelor of Science in Biology must fulfill the University and the College of Arts and Sciences requirements for graduation as described in the WSU general catalog. Admission to the major requires completion of 24 semester credits and 2.0 GPA. Honors students complete honors requirements in place of UCORE requirements. The math and science components of those requirements are fulfilled as part of the School requirements described below. Other University requirements include: 120 total credits, of which 40 must be 300-400-level credits; the writing portfolio; and two writing in the major courses (identified by [M] in the course listings). The College of Arts and Sciences requires two years of high school foreign language or at least two semesters of college-level foreign language. Bachelor of Science degree options in Biology and Zoology require a minimum of 19 semester credits of core BIOLOGY courses (BIOLOGY 106, 107, 301, 370 [M] or 372 [M], and 395 or 403 or 405). An additional 21 semester credits of biological sciences coursework selected in consultation with your biology advisor is required. The 21 semester credits must include 15 upper division credits, six of which must be BIOLOGY courses taken in residence at WSU, one additional BIOLOGY writing in the major course (identified by [M] in the course listings), and one BIOLOGY Capstone course (identified by the [CAPS] in the course listings). An overall GPA of at least 2.0 must be maintained in all College and School requirements. A maximum of 4 credits of coursework that are graded S, F may be used toward fulfilling School requirements or program options, and no other courses taken S or P can be applied toward fulfilling School requirements or program options. Students must complete an exit survey. Students may not double major or take a minor in any combination of Biology, Zoology, or General Studies Biological Sciences, or <u>Human Biology</u> .	8-22																												
	<p>First Year</p> <table border="0"> <thead> <tr> <th style="text-align: left;"><i>First Term</i></th> <th style="text-align: right;"><i>Credits</i></th> </tr> </thead> <tbody> <tr> <td>Arts [ARTS]</td> <td style="text-align: right;">3</td> </tr> <tr> <td>BIOLOGY 106 [BSCI] or 107 [BSCI]¹</td> <td style="text-align: right;">4</td> </tr> <tr> <td>CHEM 105 [PSCI][†]</td> <td style="text-align: right;">4</td> </tr> <tr> <td><u>Diversity [DIVR]</u></td> <td style="text-align: right;"><u>3</u></td> </tr> <tr> <td><u>ENGLISH 101 [WRTG]</u></td> <td style="text-align: right;"><u>3</u></td> </tr> <tr> <td>HISTORY 105 [ROOT]</td> <td style="text-align: right;">3</td> </tr> <tr> <td colspan="2"> </td> </tr> <tr> <th style="text-align: left;"><i>Second Term</i></th> <th style="text-align: right;"><i>Credits</i></th> </tr> <tr> <td>BIOLOGY 106 or 107¹</td> <td style="text-align: right;">4</td> </tr> <tr> <td>CHEM 106</td> <td style="text-align: right;">4</td> </tr> <tr> <td>ENGLISH 101 [WRTG]</td> <td style="text-align: right;">3</td> </tr> <tr> <td><u>HISTORY 105 [ROOT]</u></td> <td style="text-align: right;"><u>3</u></td> </tr> <tr> <td>MATH 140 [QUAN] or 171 [QUAN]¹</td> <td style="text-align: right;">4</td> </tr> </tbody> </table>	<i>First Term</i>	<i>Credits</i>	Arts [ARTS]	3	BIOLOGY 106 [BSCI] or 107 [BSCI] ¹	4	CHEM 105 [PSCI] [†]	4	<u>Diversity [DIVR]</u>	<u>3</u>	<u>ENGLISH 101 [WRTG]</u>	<u>3</u>	HISTORY 105 [ROOT]	3	 		<i>Second Term</i>	<i>Credits</i>	BIOLOGY 106 or 107 ¹	4	CHEM 106	4	ENGLISH 101 [WRTG]	3	<u>HISTORY 105 [ROOT]</u>	<u>3</u>	MATH 140 [QUAN] or 171 [QUAN] ¹	4	
<i>First Term</i>	<i>Credits</i>																													
Arts [ARTS]	3																													
BIOLOGY 106 [BSCI] or 107 [BSCI] ¹	4																													
CHEM 105 [PSCI] [†]	4																													
<u>Diversity [DIVR]</u>	<u>3</u>																													
<u>ENGLISH 101 [WRTG]</u>	<u>3</u>																													
HISTORY 105 [ROOT]	3																													
<i>Second Term</i>	<i>Credits</i>																													
BIOLOGY 106 or 107 ¹	4																													
CHEM 106	4																													
ENGLISH 101 [WRTG]	3																													
<u>HISTORY 105 [ROOT]</u>	<u>3</u>																													
MATH 140 [QUAN] or 171 [QUAN] ¹	4																													

Second Year	
<i>First Term</i>	<i>Credits</i>
<u>BIOLOGY 301</u> ¹	<u>4</u>
CHEM 345	4
Communication [COMM] or Written Communication [WRTG]	3
Humanities [HUM]	3
PHYSICS 101 or 201	3
PHYSICS 111 or 211	1
<u>Social Sciences [SSCI]</u>	<u>3</u>
<i>Second Term</i>	<i>Credits</i>
<u>Arts [ARTS]</u>	<u>3</u>
<u>BIOLOGY 395 or 403 or 405</u> ¹	<u>3</u>
PHYSICS 102 or 202	3
PHYSICS 112 or 212	1
Program Option Courses or Electives: Ecology or Evolution emphasis ^{2,3}	3 or 4
Social Sciences [SSCI]	3
<u>STAT 212, 412, or PSYCH 311</u>	<u>3 or 4</u>
<u>Elective</u>	<u>3</u>
Complete Writing Portfolio	
Third Year	
<i>First Term</i>	<i>Credits</i>
Arts [ARTS], Humanities [HUM], or Social Sciences [SSCI]	3
BIOLOGY 301	4
<u>BIOLOGY 370 [M] or 372 [M]</u> ¹	<u>4</u>
<u>PHYSICS 101 or 201</u>	<u>3</u>
<u>PHYSICS 111 or 211</u>	<u>1</u>
Program Option Courses or Electives: Physiology emphasis ^{2,3}	3 or 4
Foreign Language, if needed, or Electives ^{3,4}	3 or 4
<i>Second Term</i>	<i>Credits</i>
<u>Communication [COMM] or Written Communication [WRTG]</u>	<u>3</u>
Diversity [DIVR]	3
<u>PHYSICS 102 or 202</u>	<u>3</u>
<u>PHYSICS 112 or 212</u>	<u>1</u>
Program Option Courses or Electives: Ecology or Evolution emphasis ^{2,3}	6 or 7 <u>or 4</u>
STAT 212, 412, or PSYCH 311	3 or 4

Foreign Language, if needed, or Electives ^{3,4}	3 or 4
<u>Electives</u>	<u>3</u>
Fourth Year	
<i>First Term</i>	<i>Credits</i>
BIOLOGY 473 [CAPS] [M], 483 [CAPS] [M], or 489 [CAPS] [M] ⁴	3
Program Option Courses or Electives: <u>Ecology or Evolution emphasis^{2,3}</u>	13 or <u>4</u>
<u>Electives</u>	<u>9</u>
<i>Second Term</i>	<i>Credits</i>
<u>Arts [ARTS], Humanities [HUM], or Social Sciences [SSCI]</u>	<u>3</u>
BIOLOGY 395, 403, or 405	3
Program Option Courses or Electives ^{2,3}	13 or <u>14</u>
Program Option Course: Ecology or Evolution emphasis or Electives ²	<u>3</u>
<u>Electives</u>	<u>9</u>
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.

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 [M], 483 [M] [CAPS]) and the Evolution/Organismal Emphasis (BIOLOGY 322 [M], 324, 332 [M], 335 [M], 408 [CAPS], 409, 412, 418, 423, 428, 432 [M], 438 [M]). At least one course must be from the Ecology Emphasis and one course from the Evolution/Organismal Emphasis.

³ ~~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.~~

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 ~~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.~~

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

<p>Biological Sciences Revise graduation requirements for B.S. in Biology - Entomology Option</p>	<p>Biology - Entomology Option (120 Credits)</p> <p>Candidates for the Bachelor of Science in Biology must fulfill the University and the College of Arts and Sciences requirements for graduation as described in the WSU general catalog. Admission to the major requires completion of 24 semester credits and 2.0 GPA.</p> <p>Honors students complete honors requirements in place of UCORE requirements. The math and science components of those requirements are fulfilled as part of the School requirements described below. Other University requirements include: 120 total credits, of which 40 must be 300-400-level credits; the writing portfolio; and two writing in the major courses (identified by [M] in the course listings). The College of Arts and Sciences requires two years of high school foreign language or at least two semesters of college-level foreign language. Bachelor of Science degree options in Biology and Zoology require a minimum of 19 semester credits of core BIOLOGY courses (BIOLOGY 106, 107, 301, 370 [M] or 372 [M], and 395 or 403 or 405). An additional 21 semester credits of biological sciences coursework selected in consultation with your biology advisor is required. The 21 semester credits must include 15 upper division credits, six of which must be BIOLOGY courses taken in residence at WSU, one additional BIOLOGY writing in the major course (identified by [M] in the course listings), and one BIOLOGY Capstone course (identified by the [CAPS] in the course listings). An overall GPA of at least 2.0 must be maintained in all College and School requirements. A maximum of 4 credits of coursework that are graded S, F may be used toward fulfilling School requirements or program options, and no other courses taken S or P can be applied toward fulfilling School requirements or program options. Students must complete an exit survey. Students may not double major or take a minor in any combination of Biology, Zoology, or General Studies Biological Sciences, or Human Biology.</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>BIOLOGY 106 [BSCI] or 107 [BSCI]¹</td> <td style="text-align: right;">4</td> </tr> <tr> <td>CHEM 105 [PSCI][†]</td> <td style="text-align: right;">4</td> </tr> <tr> <td><u>Diversity [DIVR]</u></td> <td style="text-align: right;"><u>3</u></td> </tr> <tr> <td><u>ENGLISH 101 [WRTG]</u></td> <td style="text-align: right;"><u>3</u></td> </tr> <tr> <td>Communication [COMM] or Written Communication [WRTG]</td> <td style="text-align: right;">3</td> </tr> <tr> <td>HISTORY 105 [ROOT]</td> <td style="text-align: right;">3</td> </tr> <tr> <td> <i>Second Term</i></td> <td style="text-align: right;"> <i>Credits</i></td> </tr> <tr> <td>BIOLOGY 106 or 107¹</td> <td style="text-align: right;">4</td> </tr> <tr> <td>CHEM 106</td> <td style="text-align: right;">4</td> </tr> <tr> <td>ENGLISH 101 [WRTG]</td> <td style="text-align: right;">3</td> </tr> <tr> <td><u>HISTORY 105 [ROOT]</u></td> <td style="text-align: right;"><u>3</u></td> </tr> <tr> <td>MATH 140 [QUAN] or 171 [QUAN][†]</td> <td style="text-align: right;">4</td> </tr> </table>	<i>First Term</i>	<i>Credits</i>	BIOLOGY 106 [BSCI] or 107 [BSCI] ¹	4	CHEM 105 [PSCI] [†]	4	<u>Diversity [DIVR]</u>	<u>3</u>	<u>ENGLISH 101 [WRTG]</u>	<u>3</u>	Communication [COMM] or Written Communication [WRTG]	3	HISTORY 105 [ROOT]	3	 <i>Second Term</i>	 <i>Credits</i>	BIOLOGY 106 or 107 ¹	4	CHEM 106	4	ENGLISH 101 [WRTG]	3	<u>HISTORY 105 [ROOT]</u>	<u>3</u>	MATH 140 [QUAN] or 171 [QUAN] [†]	4	<p>8-22</p>
<i>First Term</i>	<i>Credits</i>																											
BIOLOGY 106 [BSCI] or 107 [BSCI] ¹	4																											
CHEM 105 [PSCI] [†]	4																											
<u>Diversity [DIVR]</u>	<u>3</u>																											
<u>ENGLISH 101 [WRTG]</u>	<u>3</u>																											
Communication [COMM] or Written Communication [WRTG]	3																											
HISTORY 105 [ROOT]	3																											
 <i>Second Term</i>	 <i>Credits</i>																											
BIOLOGY 106 or 107 ¹	4																											
CHEM 106	4																											
ENGLISH 101 [WRTG]	3																											
<u>HISTORY 105 [ROOT]</u>	<u>3</u>																											
MATH 140 [QUAN] or 171 [QUAN] [†]	4																											

Second Year	
<i>First Term</i>	<i>Credits</i>
Arts [ARTS]	3
<u>BIOLOGY 301</u> ¹	<u>4</u>
CHEM 345	4
ENTOM 343 [M]	3
PHYSICS 101 or 201	3
PHYSICS 111 or 211	1
<i>Second Term</i>	<i>Credits</i>
<u>BIOLOGY 395 or 403 or 405</u> ¹	<u>3</u>
Diversity [DIVR]	3
PHYSICS 102 or 202	3
PHYSICS 112 or 212	1
Humanities [HUM]	<u>3</u>
Program Option <u>Course: Biochemistry emphasis</u> Elective ²	3 or 4
<u>Social Sciences [SSCI]</u>	<u>3</u>
<u>STAT 212, 412, or PSYCH 311</u>	<u>3 or 4</u>
Complete Writing Portfolio	
Third Year	
<i>First Term</i>	<i>Credits</i>
BIOLOGY 322 [M], 350, or 418	4
BIOLOGY 370 [M] or 372 [M] ¹	4
Humanities [HUM]	3
<u>PHYSICS 101 or 201</u>	<u>3</u>
<u>PHYSICS 111 or 211</u>	<u>1</u>
<u>Program Option Course: Animal Biology emphasis</u> ²	<u>4</u>
<u>Foreign Language or Electives</u> ³	<u>5</u>
<i>Second Term</i>	<i>Credits</i>
Arts [ARTS], Humanities [HUM], or Social Sciences [SSCI]	3
CHEM 370 or MBIOS 303	3 or 4
Social Sciences [SSCI]	3
STAT 212, 412, or PSYCH 311	3 or 4
<u>PHYSICS 102 or 202</u>	<u>3</u>
<u>PHYSICS 112 or 212</u>	<u>1</u>
Program Option <u>Course: Plant Biology emphasis</u> Elective ²	3
<u>Foreign Language and/or Electives</u> ³	<u>6</u>
Fourth Year	

	<p>First Term Credits</p> <p>BIOLOGY 332 [M] or 420 3 or 4</p> <p>BIOLOGY 473 [CAPS] [M], 483 [CAPS] [M], or 489 [CAPS] [M]⁴ <u>3</u></p> <p>Communication [COMM] or Written Communication [WRTG] <u>3</u></p> <p>Program Option Course: Entomology emphasis² <u>3</u></p> <p>Foreign Language, if needed, and/or Electives^{3,4} 13<u>6</u></p> <p>Second Term Credits</p> <p>BIOLOGY [CAPS] or HONORS 450⁵ 3</p> <p>BIOLOGY 395, 403, or 405 3</p> <p>Program Option Course: Entomology emphasis² <u>3</u></p> <p>Foreign Language, if needed, and/or Electives^{3,4} 10<u>12</u></p> <p>Complete School of Biological Sciences Exit Survey</p> <hr/> <p>Footnotes</p> <p>¹ MATH 106 may be taken as a pre-/co-requisite to CHEM 105 and other MATH courses. MATH 108 may also be needed.</p> <p><u>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.</u></p> <p>² Entomology Program option electives include 6 credits of 300-400 level ENTOM courses excluding ENTOM 343.</p> <p><u>Entomology Option Requirements include one course from the 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).</u></p> <p>³ Additional electives should be selected in consultation with a biology advisor. 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 and ENTOM courses except those used to fulfill core requirements (BIOLOGY 106, 107, 301, 370 [M] or 372 [M], one from 395, 403, or 405, BIOLOGY [CAPS] or HONORS 450), 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.</p> <p><u>Two years of high school foreign language or at least two terms of college-level foreign language are required by the College of Arts and Sciences for graduation.</u></p> <p>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.</p> <p><u>Students in Honors College complete HONORS 450 in lieu of a BIOLOGY [CAPS] course.</u></p> <p>⁵ Students in Honors College complete HONORS 450 in lieu of a BIOLOGY [CAPS] course.</p>	
<p>Biological Sciences Revise graduation requirements for</p>	<p>Biology - General Option (120 Credits)</p> <p>Candidates for the Bachelor of Science in Biology must fulfill the University and the College of Arts and Sciences requirements for graduation as described in the WSU general catalog. Admission to the major requires completion of 24</p>	<p>8-22</p>

B.S. in Biology -
General Option

semester credits and 2.0 GPA.

Honors students complete honors requirements in place of UCORE requirements. The math and science components of those requirements are fulfilled as part of the School requirements described below. Other University requirements include: 120 total credits, of which 40 must be 300-400-level credits; the writing portfolio; and two writing in the major courses (identified by [M] in the course listings). The College of Arts and Sciences requires two years of high school foreign language or at least two semesters of college-level foreign language. Bachelor of Science degree options in Biology and Zoology require a minimum of 19 semester credits of core BIOLOGY courses (BIOLOGY 106, 107, 301, 370 [M] or 372 [M], and 395 or 403 or 405). An additional 21 semester credits of biological sciences coursework selected in consultation with your biology advisor is required. The 21 semester credits must include 15 upper division credits, six of which must be BIOLOGY courses taken in residence at WSU, one additional BIOLOGY writing in the major course (identified by [M] in the course listings), and one BIOLOGY Capstone course (identified by the [CAPS] in the course listings). An overall GPA of at least 2.0 must be maintained in all College and School requirements. A maximum of 4 credits of coursework that are graded S, F may be used toward fulfilling School requirements or program options, and no other courses taken S or P can be applied toward fulfilling School requirements or program options. Students must complete an exit survey. Students may not double major or take a minor in any combination of Biology, Zoology, ~~or~~ General Studies Biological Sciences, or Human Biology.

First Year

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

<i>Second Term</i>	<i>Credits</i>
BIOLOGY 106 <u>or 107</u> ¹	4
CHEM 106	4
ENGLISH 101 [WRTG]	3
<u>HISTORY 105 [ROOT]</u>	<u>3</u>
MATH 140 [QUAN] <u>or 171 [QUAN]</u> ⁺	4

Second Year

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

BIOLOGY 301 ¹	4
CHEM 345	4
Communication [COMM] or Written Communication [WRTG]	3
Humanities [HUM]	3
<i>Second Term</i>	<i>Credits</i>
<u>BIOLOGY 370 [M] or 372 [M]</u> ¹	4
CHEM 370 or MBIOS 303	3 or 4
PHYSICS 101 or 201	3
PHYSICS 111 or 211	1
<u>Program Option Course: Biochemistry emphasis</u> ²	<u>3 or 4</u>
Social Sciences [SSCI]	3
<u>STAT 212, 412, or PSYCH 311</u>	<u>3 or 4</u>
<u>Elective</u>	<u>3</u>
Complete Writing Portfolio	
Third Year	
<i>First Term</i>	<i>Credits</i>
<u>BIOLOGY 395 or 403 or 405</u> ¹	<u>3</u>
<u>Communication [COMM] or Written Communication [WRTG]</u>	<u>3</u>
Diversity [DIVR]	3
PHYSICS 102 or 202-101 or 201	3
PHYSICS 112 or 212-111 or 211	1
Foreign Language, if needed, or Electives ²³	4
Program Option Courses: Cell Biology emphasis ² or Electives ³	5 or 6 <u>3</u>
<i>Second Term</i>	<i>Credits</i>
Arts [ARTS], Humanities [HUM], or Social Sciences [SSCI]	3
BIOLOGY 395, 403, or 405	3
<u>PHYSICS 102 or 202</u>	<u>3</u>
<u>PHYSICS 112 or 212</u>	<u>1</u>
Foreign Language, if needed, or Electives ²³	3 or 4
Program Option Courses or Electives ³	6 <u>3</u> or 4
Fourth Year	
<i>First Term</i>	<i>Credits</i>
BIOLOGY 352 or MBIOS 401	3
<u>BIOLOGY 473 [CAPS] [M], 483 [CAPS] [M], or 489 [CAPS] [M]</u> ⁵	<u>3</u>
Program Option Courses or Electives ³	13 <u>6</u> – 8
<u>Electives</u>	<u>6</u>

	<p>Second Term</p> <p>BIOLOGY [CAPS] or HONORS 450⁴ 3</p> <p>STAT 212, 412, or PSYCH 311 3 or 4</p> <p>Program Option Courses or Electives³ 6-8</p> <p>Electives 9</p> <p>Complete School of Biological Sciences Exit Survey</p> <hr/> <p>Footnotes</p> <p>¹ MATH 106 may be taken as a pre-/co-requisite to CHEM 105 and other MATH courses. MATH 108 may also be needed.</p> <p><u>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.</u></p> <p>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.</p> <p><u>General Biology Option Requirements include one course from the Biochemistry Emphasis (CHEM 370 or MBIOS 303); and one course from the Cell Biology Emphasis (BIOLOGY 352 or MBIOS 405).</u></p> <p>³ <u>Biology General Program option courses should be selected in consultation with a biology advisor and include coursework to fulfill the University requirement of 40 upper division credits. All biology majors must complete 21 semester credits of biological coursework including 15 upper division credits, 6 of which must be a BIOLOGY subject (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, BIOLOGY [CAPS] or HONORS 450), 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.</u></p> <p><u>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.</u></p> <p>⁴ Students in Honors College complete HONORS 450 in lieu of a BIOLOGY [CAPS] course.</p> <p><u>Two years of high school foreign language or at least two terms of college-level foreign language are required by the College of Arts and Sciences for graduation.</u></p> <p>⁵ <u>Students in Honors College complete HONORS 450 in lieu of a BIOLOGY [CAPS] course.</u></p>	
<p>Biological Sciences Revise graduation requirements for B.S. in Biology - Plant Biology Option</p>	<p>Biology - Plant Biology Option (120 Credits)</p> <p>Candidates for the Bachelor of Science in Biology must fulfill the University and the College of Arts and Sciences requirements for graduation as described in the WSU general catalog. Admission to the major requires completion of 24 semester credits and 2.0 GPA.</p> <p>Honors students complete honors requirements in place of UCORE requirements. The math and science components of those requirements are fulfilled as part of the School requirements described below. Other University requirements include: 120 total credits, of which 40 must be 300-400-level</p>	<p>8-22</p>

credits; the writing portfolio; and two writing in the major courses (identified by [M] in the course listings). The College of Arts and Sciences requires two years of high school foreign language or at least two semesters of college-level foreign language. Bachelor of Science degree options in Biology and Zoology require a minimum of 19 semester credits of core BIOLOGY courses (BIOLOGY 106, 107, 301, 370 [M] or 372 [M], and 395 or 403 or 405). An additional 21 semester credits of biological sciences coursework selected in consultation with your biology advisor is required. The 21 semester credits must include 15 upper division credits, six of which must be BIOLOGY courses taken in residence at WSU, one additional BIOLOGY writing in the major course (identified by [M] in the course listings), and one BIOLOGY Capstone course (identified by the [CAPS] in the course listings). An overall GPA of at least 2.0 must be maintained in all College and School requirements. A maximum of 4 credits of coursework that are graded S, F may be used toward fulfilling School requirements or program options, and no other courses taken S or P can be applied toward fulfilling School requirements or program options. Students must complete an exit survey. Students may not double major or take a minor in any combination of Biology, Zoology, ~~or~~ General Studies Biological Sciences, or Human Biology.

First Year

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

<i>Second Term</i>	<i>Credits</i>
BIOLOGY 106 <u>or 107</u> ¹	4
CHEM 106	4
<u>HISTORY 105 [ROOT]</u>	<u>3</u>
ENGLISH 101 [WRTG]	3
MATH 140 [QUAN] or 171 [QUAN]	4

Second Year

<i>First Term</i>	<i>Credits</i>
<u>Arts [ARTS]</u>	<u>3</u>
BIOLOGY 301 ¹	4
CHEM 345	4
Humanities [HUM]	3
PHYSICS 101 or 201	3
PHYSICS 111 or 211	4

<i>Second Term</i>	<i>Credits</i>
<u>BIOLOGY 370 [M] or 372 [M]</u> ¹	<u>4</u>
Communication [COMM] or Written Communication [WRTG]	3
Foreign Language and/or Electives ²	6
PHYSICS 102 or 202	3
PHYSICS 112 or 212	1
Social Sciences [SSCI]	3
<u>STAT 212, 412, or PSYCH 311</u>	<u>3 or 4</u>
<u>Elective</u>	<u>4</u>
Complete Writing Portfolio	
Third Year	
<i>First Term</i>	<i>Credits</i>
Arts [ARTS], Humanities [HUM], or Social Sciences [SSCI]	3
<u>BIOLOGY 395 or 403 or 405</u> ¹	<u>3</u>
<u>Communication [COMM] or Written Communication [WRTG]</u>	<u>3</u>
<u>PHYSICS 101 or 201</u>	<u>3</u>
<u>PHYSICS 111 or 211</u>	<u>1</u>
BIOLOGY 420	3
<u>Foreign Language or Electives</u> ²	<u>4</u>
<u>STAT 212, 412, or PSYCH 311</u>	<u>3 or 4</u>
<i>Second Term</i>	<i>Credits</i>
<u>Arts [ARTS], Humanities [HUM], or Social Sciences [SSCI]</u>	<u>3</u>
BIOLOGY 332 [M]	4
BIOLOGY 462	3
Diversity [DIVR]	3
<u>PHYSICS 102 or 202</u>	<u>3</u>
<u>PHYSICS 112 or 212</u>	<u>1</u>
<u>Foreign Language or Electives</u> ²	<u>4</u>
<u>Program Option Courses or Electives</u> ³	<u>2 or 3</u>
Fourth Year	
<i>First Term</i>	<i>Credits</i>
<u>BIOLOGY 395, 403, or 405</u>	<u>3</u>
<u>BIOLOGY 473 [CAPS] [M], 483 [CAPS] [M], or 489 [CAPS] [M]</u> ³	<u>3</u>
BIOLOGY 409	4
<u>Program Option Courses or Electives</u> ³⁴	<u>63</u>
Electives	<u>36</u>

	<p>Second Term</p> <p>BIOLOGY [CAPS] or HONORS 450⁴ 3</p> <p><u>BIOLOGY 462 or 469</u> 3</p> <p>Program Option Courses or Electives^{3,4} 124</p> <p><u>Electives</u> 8</p> <p>Complete School of Biological Sciences Exit Survey</p> <hr/> <p>Footnotes</p> <p>¹ MATH 106 may be taken as a pre-/co-requisite to CHEM 105 and other MATH courses. MATH 108 may also be needed.</p> <p><u>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.</u></p> <p>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.</p> <p><u>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.</u></p> <p>³ Plant Biology Program option courses should be selected in consultation with a biology advisor and include coursework to fulfill the University requirement of 40 upper division credits. 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, BIOLOGY [CAPS] or HONORS 450), 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.</p> <p><u>Students in Honors College complete HONORS 450 in lieu of a BIOLOGY [CAPS] course.</u></p> <p>⁴ Students in Honors College complete HONORS 450 in lieu of a BIOLOGY [CAPS] course.</p> <p><u>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</u></p>	
<p>Biological Sciences</p> <p>Revise graduation requirements for B.S. in Zoology - Accelerated Pre-Veterinary Option</p>	<p>Zoology - Accelerated Pre-Veterinary Option (125-121Credits)</p> <p>The Accelerated Pre-Veterinary Option track allows qualified students to earn both a Bachelor of Science in Zoology and Doctor of Veterinary Medicine within a seven-year span. Interested students must be advised by faculty in the School of Biological Sciences, and should contact the school no later than the first semester of the sophomore year. Candidates for the Bachelor of Science in Zoology must fulfill the University and the College of Arts and Sciences requirements for graduation as described in the WSU general catalog. Students must complete a minimum of 90 undergraduate credits, including 30 credits of 300-400 level coursework, and be accepted into the Veterinary Medicine program to complete this degree.</p> <p>Honors students complete honors requirements in place of UCORE</p>	<p>8-22</p>

requirements. The math and science components of those requirements are fulfilled as part of the School requirements described below. Other University requirements include: 120 total credits, of which 40 must be 300-400-level credits; the writing portfolio; and two writing in the major courses (identified by [M] in the course listings). The College of Arts and Sciences requires two years of high school foreign language or at least two semesters of college-level foreign language. Bachelor of Science degree options in Biology and Zoology require a minimum of 19 semester credits of core BIOLOGY courses (BIOLOGY 106, 107, 301, 370 [M] or 372 [M], and 395 or 403 or 405). An additional 21 semester credits of biological sciences coursework selected in consultation with your biology advisor is required. The 21 semester credits must include 15 upper division credits, six of which must be BIOLOGY courses taken in residence at WSU, one additional BIOLOGY writing in the major course (identified by [M] in the course listings), and one BIOLOGY Capstone course (identified by the [CAPS] in the course listings). VET MED credits fulfill other Program Option electives requirements. An overall GPA of at least 2.0 must be maintained in all College and School requirements. A maximum of 4 credits of coursework that are graded S, F may be used toward fulfilling School requirements or program options, and no other courses taken S or P can be applied toward fulfilling School requirements or program options. Students must complete an exit survey. Students may not double major or take a minor in any combination of Biology, Zoology, ~~or~~ General Studies Biological Sciences, or Human Biology.

For more information about the Accelerated Pre-Vet Option program contact the School of Biological Sciences.

First Year

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

<i>Second Term</i>	<i>Credits</i>
BIOLOGY <u>106</u> or 107 ¹	4
CHEM 106	4
ENGLISH 101 [WRTG]	3
<u>HISTORY 105 [ROOT]</u>	<u>3</u>
MATH 140 [QUAN] or 171 [QUAN]	4

Second Year

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

<u>Arts [ARTS]</u>	<u>3</u>
BIOLOGY 301 ¹	4
CHEM 345	4
<u>STAT 212, 412, or PSYCH 311</u>	<u>3 or 4</u>
Communication [COMM] or Written Communication [WRTG]	3
Humanities [HUM]	3
Second Term	Credits
<u>Arts [ARTS], Humanities [HUM], or Social Sciences [SSCI]</u>	<u>3</u>
<u>BIOLOGY 395 or 403 or 405¹</u>	<u>3</u>
CHEM 370 or MBIOS 303	3 or 4
<u>Communication [COMM] or Written Communication [WRTG]</u>	<u>3</u>
PHYSICS 101 or 201	3
PHYSICS 111 or 211	1
STAT 212, 412, or PSYCH 311	3 or 4
Complete Writing Portfolio	
Third Year	
First Term	Credits
<u>BIOLOGY [CAPS] or HONORS 450²</u>	<u>3</u>
BIOLOGY 321 [M] or BIOLOGY 322 [M]	4
<u>BIOLOGY 370 [M] or 372 [M]¹</u>	<u>4</u>
PHYSICS 102 or 202	3
PHYSICS 112 or 212	1
<u>Program Option Course: Development Emphasis; or Humanities [HUM]²</u>	<u>3 or 4</u>
<u>Social Sciences [SSCI]</u>	<u>3</u>
Foreign Language, if needed, and/or Elective ³⁴	<u>6</u> 3
Second Term	Credits
BIOLOGY 370 [M] or 372 [M]	4
BIOLOGY 395, 403, or 405	3
<u>BIOLOGY 473 [CAPS] [M], 483 [CAPS] [M], or 489 [CAPS] [M]⁵</u>	<u>3</u>
<u>Diversity [DIVR]</u>	<u>3</u>
<u>Program Option Course: Development Emphasis; or Humanities [HUM]²</u>	<u>4 or 3</u>
Social Sciences [SSCI]	3
<u>Arts [ARTS], Humanities [HUM], or Social Sciences [SSCI]</u>	<u>3</u>
Foreign Language, if needed, or Elective ³⁴	<u>4</u> 3
Fourth Year	

	<p>First Term</p> <p>VET MED 510 4</p> <p>VET MED 511⁴³ 5</p> <p>VET MED 513 4</p> <p>VET MED 568 2</p> <p>VET MED 586 1</p> <p>Second Term</p> <p>VET MED 512 4</p> <p>VET MED 520⁵³ 5</p> <p>VET MED 521 3</p> <p>VET MED 534 3</p> <p>VET MED 545 3</p> <p>VET MED 580 1</p> <p>Complete School of Biological Sciences Exit Survey</p>	
	<p>Footnotes</p> <p>¹ MATH 106 may be taken as a pre-/co-requisite to CHEM 105 and other MATH courses. MATH 108 may also be needed.</p> <p><u>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.</u></p> <p>² Students in Honors College complete HONORS 450 in lieu of a BIOLOGY [CAPS] course.</p> <p><u>Accelerated Pre-Vet Option Requirements include one course from the Development Emphasis area (BIOLOGY 321 or 322).</u></p> <p>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.</p> <p><u>Accelerated Pre-Vet Option requirements fulfill Anatomy option requirement (VET MED 511) and Physiology option requirement (VET MED 520) toward the Zoology degree.</u></p> <p>⁴ Counts as Anatomy option requirement toward the Zoology degree</p> <p><u>Two years of high school foreign language or at least two terms of college-level foreign language are required by the College of Arts and Sciences for graduation.</u></p> <p>⁵ Counts as Physiology option requirement toward the Zoology degree.</p> <p><u>Students in Honors College complete HONORS 450 in lieu of a BIOLOGY [CAPS] course.</u></p>	
<p>Biological Sciences Revise graduation requirements for</p>	<p>Zoology - General Option (120 Credits)</p> <p>Candidates for the Bachelor of Science in Zoology must fulfill the University and the College of Arts and Sciences requirements for graduation as described in the WSU general catalog. Admission to the major requires completion of 24</p>	<p>8-22</p>

B.S. in Zoology -
General Option

semester credits and 2.0 GPA.

Honors students complete honors requirements in place of UCORE requirements. The math and science components of those requirements are fulfilled as part of the School requirements described below. Other University requirements include: 120 total credits, of which 40 must be 300-400-level credits; the writing portfolio; and two writing in the major courses (identified by [M] in the course listings). The College of Arts and Sciences requires two years of high school foreign language or at least two semesters of college-level foreign language. Bachelor of Science degree options in Biology and Zoology require a minimum of 19 semester credits of core BIOLOGY courses (BIOLOGY 106, 107, 301, 370 [M] or 372 [M], and 395 or 403 or 405). An additional 21 semester credits of biological sciences coursework selected in consultation with your biology advisor is required. The 21 semester credits must include 15 upper division credits, six of which must be BIOLOGY courses taken in residence at WSU, one additional BIOLOGY writing in the major course (identified by [M] in the course listings), and one BIOLOGY Capstone course (identified by the [CAPS] in the course listings). An overall GPA of at least 2.0 must be maintained in all College and School requirements. A maximum of 4 credits of coursework that are graded S, F may be used toward fulfilling School requirements or program options, and no other courses taken S or P can be applied toward fulfilling School requirements or program options. Students must complete an exit survey. Students may not double major or take a minor in any combination of Biology, Zoology, ~~or~~ General Studies Biological Sciences, or Human Biology.

First Year

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

<i>Second Term</i>	<i>Credits</i>
BIOLOGY 106 <u>or 107</u> ¹	4
CHEM 106	4
ENGLISH 101 [WRTG]	3
<u>HISTORY 105 [ROOT]</u>	<u>3</u>
MATH 140 [QUAN] or 171 [QUAN]	4

Second Year

<i>First Term</i>	<i>Credits</i>
<u>BIOLOGY 301</u> ¹	<u>4</u>

CHEM 345	4
Communication [COMM] or Written Communication [WRTG]	3
Humanities [HUM]	3
<u>STAT 212, 412, or PSYCH 311</u>	<u>3 or 4</u>
Program Option Courses, Foreign Language, and/or Electives^{2,3}	7
<i>Second Term</i>	<i>Credits</i>
Arts [ARTS], Humanities [HUM], or Social Sciences [SSCI]	3
<u>BIOLOGY 370 [M] or 372 [M]¹</u>	<u>4</u>
BIOLOGY 301	4
Diversity [DIVR]	3
<u>Program Option Course: Anatomy/Invertebrate Biology emphasis²</u>	<u>4</u>
Program Option Courses, Foreign Language, and/or Electives^{2,3}	3-6
STAT 212, 412, or PSYCH 311	3 or 4
<u>Social Sciences [SSCI]</u>	<u>3</u>
Complete Writing Portfolio	
Third Year	
<i>First Term</i>	<i>Credits</i>
BIOLOGY 321 [M], 322 [M], or 324	4
<u>BIOLOGY 395 or 403 or 405¹</u>	<u>3</u>
Communication [COMM] or Written Communication [WRTG]	3
PHYSICS 101 or 201	3
PHYSICS 111 or 211	1
<u>Program Option Course: Physiology emphasis²</u>	<u>4</u>
Program Option Course or Electives³	6 or 7
Social Sciences [SSCI]	3
<i>Second Term</i>	<i>Credits</i>
BIOLOGY 321 [M], 322 [M], or 324	4
<u>BIOLOGY 370 [M] or 372 [M]</u>	<u>4</u>
PHYSICS 102 or 202	3
PHYSICS 112 or 212	1
<u>Program Option Course: Anatomy/Invertebrate Biology emphasis²</u>	<u>4</u>
<u>Arts [ARTS], Humanities [HUM], or Social Sciences [SSCI]</u>	<u>3</u>
Electives	36
Fourth Year	
<i>First Term</i>	<i>Credits</i>
BIOLOGY 350 or 353	4
BIOLOGY 395, 403, or 405	3
<u>BIOLOGY 473 [CAPS] [M], 483 [CAPS] [M], or 489 [CAPS] [M]⁵</u>	<u>3</u>

	<p>Program Option Courses or Elective³ <u>63 or 4</u></p> <p><u>Foreign Language or Elective⁴</u> <u>4</u></p> <p><u>Electives</u> <u>6</u></p> <p><i>Second Term</i> <i>Credits</i></p> <p>BIOLOGY Capstone [CAPS] 3</p> <p>Program Option Courses or Electives³ <u>106</u></p> <p><u>Foreign Language or Elective⁴</u> <u>4</u></p> <p><u>Electives</u> <u>6</u></p> <p>Complete School of Biological Sciences Exit Survey</p> <hr/> <p>Footnotes</p> <p>¹ MATH 106 may be taken as a pre /co- requisite to CHEM 105 and other MATH courses. MATH 108 may also be needed.</p> <p><u>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.</u></p> <p>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.</p> <p><u>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).</u></p> <p>³ Zoology General Program Option electives should be selected in consultation with a biology advisor and must include 9 credits selected from ANIM SCI 314; BIOLOGY 352, 393 [M], 407, 410, 412, 418 [M], 423, 428, 432, 438 [M], 469, 486, 495; ENTOM 340, 343 [M], 344 [M], 448; MBIOS 303, or as approved by advisor. 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 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.</p> <p><u>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.</u></p> <p>⁴ Two years of high school foreign language or at least two terms of college-level foreign language are required by the College of Arts and Sciences for graduation.</p> <p>⁵ Students in Honors College complete HONORS 450 in lieu of a BIOLOGY [CAPS] course.</p>	
<p>Biological Sciences Revise graduation requirements for B.S. in Zoology - Pre-Medicine/Pre-Dentistry Option</p>	<p>Zoology - Pre-Medicine/Pre-Dentistry Option (120 Credits)</p> <p>Candidates for the Bachelor of Science in Zoology must fulfill the University and the College of Arts and Sciences requirements for graduation as described in the WSU general catalog. Admission to the major requires completion of 24 semester credits and 2.0 GPA.</p>	<p>8-22</p>

Honors students complete honors requirements in place of UCORE requirements. The math and science components of those requirements are fulfilled as part of the School requirements described below. Other University requirements include: 120 total credits, of which 40 must be 300-400-level credits; the writing portfolio; and two writing in the major courses (identified by [M] in the course listings). The College of Arts and Sciences requires two years of high school foreign language or at least two semesters of college-level foreign language. Bachelor of Science degree options in Biology and Zoology require a minimum of 19 semester credits of core BIOLOGY courses (BIOLOGY 106, 107, 301, 370 [M] or 372 [M], and 395 or 403 or 405). An additional 21 semester credits of biological sciences coursework selected in consultation with your biology advisor is required. The 21 semester credits must include 15 upper division credits, six of which must be BIOLOGY courses taken in residence at WSU, one additional BIOLOGY writing in the major course (identified by [M] in the course listings), and one BIOLOGY Capstone course (identified by the [CAPS] in the course listings). An overall GPA of at least 2.0 must be maintained in all College and School requirements. A maximum of 4 credits of coursework that are graded S, F may be used toward fulfilling School requirements or program options, and no other courses taken S or P can be applied toward fulfilling School requirements or program options. Students must complete an exit survey. Students may not double major or take a minor in any combination of Biology, Zoology, ~~or~~ General Studies Biological Sciences, or Human Biology.

First Year

<i>First Term</i>	<i>Credits</i>
Arts [ARTS]	3
BIOLOGY 106 [BSCI] <u>or 107 [BSCI]</u> ¹	4
CHEM 105 [PSCI] ⁺	4
<u>HISTORY 105 [ROOT]</u>	<u>3</u>
<u>MATH 140 [QUAN] or 171 [QUAN]</u>	<u>4</u>
ENGLISH 101 [WRTG]	3

<i>Second Term</i>	<i>Credits</i>
BIOLOGY 106 <u>or 107</u> ¹	4
CHEM 106	4
<u>ENGLISH 101 [WRTG]</u>	<u>3</u>
<u>STAT 212, 412, or PSYCH 311</u>	<u>3 or 4</u>
<u>HISTORY 105 [ROOT]</u>	3
<u>MATH 140 [QUAN] or 171 [QUAN]</u>	4

Second Year

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

CHEM 345	4
PHYSICS 101 or 201	3
PHYSICS 111 or 211	1
<u>Program Option Course: Microbiology/Invertebrate Biology emphasis²</u>	<u>3 or 4</u>
Social Sciences [SSCI]	3
<i>Second Term</i>	<i>Credits</i>
CHEM 348	4
Communication [COMM] or Written Communication [WRTG]	3
Diversity [DIVR]	3
PHYSICS 102 or 202	3
PHYSICS 112 or 212	1
<u>Social Sciences [SSCI]</u>	<u>3</u>
<u>Electives</u>	<u>5</u>
Complete Writing Portfolio	
Third Year	
<i>First Term</i>	<i>Credits</i>
BIOLOGY 315, 321 [M], or 324	4
BIOLOGY 322 [M], 418 [M], or MBIOS 305	4 or 3
BIOLOGY 395, 403, or 405	3
<u>BIOLOGY 301¹</u>	<u>4</u>
<u>Communication [COMM] or Written Communication [WRTG]</u>	<u>3</u>
Humanities [HUM]	3
<u>MBIOS 303 (recommended) or CHEM 370</u>	<u>4 or 3</u>
Program Option Courses, Foreign Language, or Electives^{2,3}	3 or 4
<i>Second Term</i>	<i>Credits</i>
Arts [ARTS], Humanities [HUM], or Social Sciences [SSCI]	3
BIOLOGY 370 [M] or 372 [M]	4
CHEM 370 or MBIOS 303	3 or 4
<u>PHIL 365 [HUM]</u>	<u>3</u>
<u>Program Option Course: Physiology emphasis²</u>	<u>3</u>
<u>Program Option Course: Anatomy/Development emphasis²</u>	<u>3 or 4</u>
Foreign Language or Electives^{2,3}	23 or 4
<u>Elective</u>	<u>3</u>
Program Option Courses or Electives³	4 or 3
Fourth Year	
<i>First Term</i>	<i>Credits</i>
BIOLOGY 322 [M], 418 [M], or MBIOS 305	3 or 4
BIOLOGY 352	3

	<p><u>BIOLOGY 395 or 403 or 405</u>¹ 3</p> <p><u>Diversity [DIVR]</u> 3</p> <p><u>Program Option Course: Microbiology/Invertebrate Biology emphasis</u>² 3 or 4</p> <p><u>Program Option Courses or Electives</u>³ 96</p> <p>Second Term Credits</p> <p><u>BIOLOGY 315, 321 [M], or 324</u> 4</p> <p><u>BIOLOGY 353</u> 4</p> <p><u>Arts [ARTS], Humanities [HUM], or Social Sciences [SSCI]</u> 3</p> <p><u>BIOLOGY 473 [CAPS] [M], 483 [CAPS] [M], or 489 [CAPS] [M]</u>⁴ 3</p> <p><u>BIOLOGY 370 [M] or 372 [M]</u>¹ 4</p> <p><u>Program Option Course: Anatomy/Development emphasis</u>² 3</p> <p><u>STAT 212, 412, or PSYCH 311</u> 3 or 4</p> <p><u>Elective</u> 3</p> <p>Complete School of Biological Sciences Exit Survey</p> <hr/> <p>Footnotes</p> <p>¹ MATH 106 may be taken as a pre /co-requisite to CHEM 105 and other MATH courses. MATH 108 may also be needed.</p> <p><u>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.</u></p> <p>² <u>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.</u></p> <p><u>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 MBIO 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)).</u></p> <p>³ <u>Zoology, Pre-Medicine/Pre-Dentistry Option, must include 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.</u></p> <p><u>Two years of high school foreign language or at least two terms of college-level foreign language are required by the College of Arts and Sciences for graduation.</u></p> <p>⁴ <u>Students in Honors College complete HONORS 450 in lieu of a BIOLOGY [CAPS] course.</u></p>	
<p>Biological Sciences Revise graduation requirements for B.S. in Zoology -</p>	<p>Zoology - Pre-Veterinary/Animal Care Option (120 Credits)</p> <p>Candidates for the Bachelor of Science in Zoology must fulfill the University and the College of Arts and Sciences requirements for graduation as described</p>	<p>8-22</p>

Pre-Veterinary/Animal Care Option	<p>in the WSU general catalog. Admission to the major requires completion of 24 semester credits and 2.0 GPA.</p> <p>Honors students complete honors requirements in place of UCORE requirements. The math and science components of those requirements are fulfilled as part of the School requirements described below. Other University requirements include: 120 total credits, of which 40 must be 300-400-level credits; the writing portfolio; and two writing in the major courses (identified by [M] in the course listings). The College of Arts and Sciences requires two years of high school foreign language or at least two semesters of college-level foreign language. Bachelor of Science degree options in Biology and Zoology require a minimum of 19 semester credits of core BIOLOGY courses (BIOLOGY 106, 107, 301, 370 [M] or 372 [M], and 395 or 403 or 405). An additional 21 semester credits of biological sciences coursework selected in consultation with your biology advisor is required. The 21 semester credits must include 15 upper division credits, six of which must be BIOLOGY courses taken in residence at WSU, one additional BIOLOGY writing in the major course (identified by [M] in the course listings), and one BIOLOGY Capstone course (identified by the [CAPS] in the course listings). An overall GPA of at least 2.0 must be maintained in all College and School requirements. A maximum of 4 credits of coursework that are graded S, F may be used toward fulfilling School requirements or program options, and no other courses taken S or P can be applied toward fulfilling School requirements or program options. Students must complete an exit survey. Students may not double major or take a minor in any combination of Biology, Zoology, or General Studies Biological Sciences, <u>or Human Biology</u>.</p>																																						
	<p>First Year</p> <table border="0"> <thead> <tr> <th style="text-align: left;"><i>First Term</i></th> <th style="text-align: right;"><i>Credits</i></th> </tr> </thead> <tbody> <tr> <td>Arts [ARTS]</td> <td style="text-align: right;">3</td> </tr> <tr> <td>BIOLOGY 106 [BSCI] <u>or 107 [BSCI]</u>¹</td> <td style="text-align: right;">4</td> </tr> <tr> <td>CHEM 105 [PSCI][†]</td> <td style="text-align: right;">4</td> </tr> <tr> <td><u>Diversity [DIVR]</u></td> <td style="text-align: right;"><u>3</u></td> </tr> <tr> <td><u>ENGLISH 101 [WRTG]</u></td> <td style="text-align: right;"><u>3</u></td> </tr> <tr> <td><u>HISTORY 105 [ROOT]</u></td> <td style="text-align: right;">3</td> </tr> <tr> <td colspan="2"> </td> </tr> <tr> <th style="text-align: left;"><i>Second Term</i></th> <th style="text-align: right;"><i>Credits</i></th> </tr> <tr> <td>BIOLOGY 106 <u>or 107</u>¹</td> <td style="text-align: right;">4</td> </tr> <tr> <td>CHEM 106</td> <td style="text-align: right;">4</td> </tr> <tr> <td>ENGLISH 101 [WRTG]</td> <td style="text-align: right;">3</td> </tr> <tr> <td><u>HISTORY 105 [ROOT]</u></td> <td style="text-align: right;"><u>3</u></td> </tr> <tr> <td>MATH 140 [QUAN] or 171 [QUAN][†]</td> <td style="text-align: right;">4</td> </tr> <tr> <td colspan="2"> </td> </tr> <tr> <td colspan="2">Second Year</td> </tr> <tr> <td colspan="2"> </td> </tr> <tr> <th style="text-align: left;"><i>First Term</i></th> <th style="text-align: right;"><i>Credits</i></th> </tr> <tr> <td>BIOLOGY 301</td> <td style="text-align: right;">4</td> </tr> </tbody> </table>	<i>First Term</i>	<i>Credits</i>	Arts [ARTS]	3	BIOLOGY 106 [BSCI] <u>or 107 [BSCI]</u> ¹	4	CHEM 105 [PSCI] [†]	4	<u>Diversity [DIVR]</u>	<u>3</u>	<u>ENGLISH 101 [WRTG]</u>	<u>3</u>	<u>HISTORY 105 [ROOT]</u>	3	 		<i>Second Term</i>	<i>Credits</i>	BIOLOGY 106 <u>or 107</u> ¹	4	CHEM 106	4	ENGLISH 101 [WRTG]	3	<u>HISTORY 105 [ROOT]</u>	<u>3</u>	MATH 140 [QUAN] or 171 [QUAN] [†]	4	 		Second Year		 		<i>First Term</i>	<i>Credits</i>	BIOLOGY 301	4
<i>First Term</i>	<i>Credits</i>																																						
Arts [ARTS]	3																																						
BIOLOGY 106 [BSCI] <u>or 107 [BSCI]</u> ¹	4																																						
CHEM 105 [PSCI] [†]	4																																						
<u>Diversity [DIVR]</u>	<u>3</u>																																						
<u>ENGLISH 101 [WRTG]</u>	<u>3</u>																																						
<u>HISTORY 105 [ROOT]</u>	3																																						
<i>Second Term</i>	<i>Credits</i>																																						
BIOLOGY 106 <u>or 107</u> ¹	4																																						
CHEM 106	4																																						
ENGLISH 101 [WRTG]	3																																						
<u>HISTORY 105 [ROOT]</u>	<u>3</u>																																						
MATH 140 [QUAN] or 171 [QUAN] [†]	4																																						
Second Year																																							
<i>First Term</i>	<i>Credits</i>																																						
BIOLOGY 301	4																																						

CHEM 345	4
Communication [COMM] or Written Communication [WRTG]	3
Humanities [HUM]	3
<u>PHYSICS 101 or 201</u>	<u>3</u>
<u>PHYSICS 111 or 211</u>	<u>1</u>
Social Sciences [SSCI]	3
<i>Second Term</i>	<i>Credits</i>
Arts [ARTS], Humanities [HUM], or Social Sciences [SSCI]	3
<u>BIOLOGY 395 or 403 or 405¹</u>	<u>3</u>
CHEM 370 or MBIOS 303 or Elective²	3 or 4
PHYSICS 101 or 201	3
PHYSICS 111 or 211	1
Humanities [HUM]	3
<u>PHYSICS 102 or 202</u>	<u>3</u>
<u>PHYSICS 112 or 212</u>	<u>1</u>
Program Option Courses, Foreign Language, or Electives^{3,4}	3
STAT 212, 412, or PSYCH 311	3 or 4
Complete Writing Portfolio	
Third Year	
<i>First Term</i>	<i>Credits</i>
BIOLOGY 321 [M], 322 [M], or 324	4
<u>BIOLOGY 370 [M] or 372 [M]¹</u>	<u>4</u>
Communication [COMM] or Written Communication [WRTG]	3
PHYSICS 102 or 202	3
PHYSICS 112 or 212	1
<u>Program Option Course: Anatomy/Development emphasis²</u>	<u>4</u>
<u>Program Option Elective³</u>	<u>3</u>
Program Option Courses, Foreign Language, or Electives^{3,4}	6
<i>Second Term</i>	<i>Credits</i>
<u>Arts [ARTS]</u>	<u>3</u>
BIOLOGY 321 [M], 322 [M], or 324	4
BIOLOGY 370 [M] or 372 [M]	4
Diversity [DIVR]	3
<u>MBIOS 303 (recommended) or CHEM 370</u>	<u>4 or 3</u>
<u>Program Option Course: Anatomy/Development emphasis²</u>	<u>4</u>
<u>Program Option Elective³</u>	<u>3</u>
Electives	<u>4</u>
Fourth Year	

<i>First Term</i>	<i>Credits</i>
<u>Arts [ARTS], Humanities [HUM], or Social Sciences [SSCI]</u>	<u>3</u>
<u>BIOLOGY 350 or 353</u>	<u>4</u>
<u>BIOLOGY 395, 403, or 405</u>	<u>3</u>
<u>Program Option Course: Physiology/Cell Biology emphasis</u>	<u>4</u>
<u>Program Option Elective³</u>	<u>3</u>
<u>Program Option Courses or Electives⁴</u>	<u>3</u>
<u>Foreign Language or Elective⁴</u>	<u>3</u>
<u>Elective</u>	<u>3</u>
<i>Second Term</i>	<i>Credits</i>
<u>BIOLOGY 473 [CAPS] [M], 483 [CAPS] [M], or 489 [CAPS] [M] or HONORS 450⁵</u>	<u>3</u>
<u>Program Option Courses or Electives⁴³</u>	<u>103</u>
<u>Foreign Language or Elective⁴</u>	<u>4</u>
<u>Electives</u>	<u>36</u>
<u>Complete School of Biological Sciences Exit Survey</u>	

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.

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 A biochemistry course is required for admittance to U.S. veterinary colleges.

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 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.

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.~~

	<p><u>Two years of high school foreign language or at least two terms of college-level foreign language are required by the College of Arts and Sciences for graduation.</u></p> <p>⁵ Students in Honors College complete HONORS 450 in lieu of a BIOLOGY [CAPS] course.</p>	
<p>Civil and Environmental Engineering Revise graduation requirements for B.S. in Construction Engineering</p>	<p>Construction Engineering (128127 Credits)</p> <p>Admission to the Major Criteria</p> <p>Admission into the Bachelor of Science in Construction Engineering requires meeting certain admission benchmarks. There are different admission benchmarks for incoming students based on their academic standing.</p> <p>Incoming freshmen who are ready to take MATH 171 (Calculus 1) or higher are admitted to the major upon making their intentions known to the department. To remain in the major the student must initially pass MATH 171, MATH 172, PHYSICS 201/211, and CE 211 with a grade of C or better and a cumulative WSU GPA of 2.5. To remain in the major the student must maintain good academic standing (i.e. 2.0 or higher GPA each term and 2.0 or higher cumulative CE GPA).</p> <p>Incoming freshmen who are not ready to take MATH 171 (Calculus 1) are admitted to the major upon completing MATH 171, MATH 172, PHYSICS 201/211, and CE 211 with a grade of C or better while earning a cumulative WSU GPA of 2.5 or better, and by making their intention known to the department. To remain in the major the student must maintain good academic standing (i.e. 2.0 or higher GPA each term and 2.0 or higher cumulative CE GPA).</p> <p>Incoming transfer students are admitted to the major upon completing MATH 171, MATH 172, PHYSICS 201/211, and CE 211 with a grade of C or better while earning a cumulative GPA of 2.5 or better at their previous institution, and by making their intention known to the department. To remain in the major the student must maintain good academic standing (i.e. 2.0 or higher GPA each term and 2.0 or higher cumulative CE GPA).</p> <p>Current WSU students seeking to change their major are admitted to the major upon completing MATH 171, MATH 172, PHYSICS 201/211, and CE 211 with a grade of C or better; while earning a cumulative WSU GPA of 2.5 or better; and making their intention known to the department. To remain in the major the student must maintain good academic standing (i.e. 2.0 or higher GPA each term and 2.0 or higher cumulative CE GPA).</p> <p><u>To be admitted to the Construction Engineering major, students must have one of the following:</u></p> <ul style="list-style-type: none"> • <u>An 83% or higher ALEKS math placement score</u> • <u>WSU enrollment in MATH 171 or equivalent credit earned with a ‘C’ or higher grade</u> • <u>An AP Calculus score of ‘2’ or higher (AB or BC exam)</u> 	<p>8-22</p>

To maintain a Construction Engineering major, students must complete the following benchmarks:

- Grade of 'C' or better in the following courses:
 - MATH 171
 - MATH 172
 - CE 211
 - PHYSICS 201
 - PHYSICS 211
- A cumulative WSU GPA of 2.50 or higher (or transfer GPA if no WSU GPA exists) upon completion of the above courses

Admission to the major is only valid for the current campus of residence. Students who decide to change campus after admission to the major will need to re-qualify for admission to the major for the campus to which they transfer.

Students who are deficient under the University's Academic Regulations or whose GPA in CE courses falls below 2.0 are subject to loss of eligibility of major. The undergraduate studies committee on each campus will determine the eligibility and probation conditions for students who will be permitted to apply for re-entry to the major.

Experiential Requirement

Students within the Department of Civil and Environmental Engineering must complete one of the following experiential requirements:

1. An internship of at least eight weeks duration, with at least one credit of CE 495.
2. A research position of at least eight weeks duration under the supervision of a departmental faculty member or approved mentor, with at least one credit of CE 499.
3. Study abroad for six or more credits. International students in the Department of Civil and Environmental Engineering will meet this requirement through their study in the United States.
4. Participation in a recognized ROTC program. Veterans in the Department of Civil and Environmental Engineering will have met this requirement through their prior service in the armed forces.
5. A leadership or service experience of at least one semester, subject to departmental approval, with at least one credit of CE 499.

None of the courses listed below may be taken on a pass/fail basis. A grade of C or better is required in all CE and CON E courses required for the degree.

Students should consult with their advisor at their campus of residence for approved alternative course sequences and choices as well as allowed substitutions to the schedule of studies listed below. At the time of admittance to the CON E program, all pre-existing upper-division CE, CON E, and CST M

coursework from previous institutions can be evaluated by the department for compliance with degree requirements on a case-by-case basis. Following admittance to the CON E program, all subsequent upper-division CE, CON E, and CST M courses must be taken at WSU. However, an exception may be made if a student receives less than a C grade in one CE, CON E, or CST M course during their last semester at WSU. With approval of the department chair, a student can make up that one course only at a different institution.

First Year

First Term ***Credits***

CHEM 105 [PSCI]	4
ECONS 101 [SSCI] or 102 [SSCI]	3
HISTORY 105 [ROOT]	3
Humanities [HUM]	3
MATH 171 [QUAN]	4

Second Term ***Credits***

Arts [ARTS]	3
Biological Sciences [BSCI]	3
CST M 102	2
ENGLISH 101 [WRTG]	3
MATH 172	4

Second Year

First Term ***Credits***

B-LAW 210	3
CE 211	3
CST M 254	2
Diversity [DIVR]	3
PHYSICS 201	3
PHYSICS 211	1
<u>SOE 101 or 102</u>	<u>4</u>

Second Term ***Credits***

ACCTG 230	3
<u>CE 203</u>	<u>2</u>
CE 215	3
CE 463	3
ME 212	3
ME 220	1
STAT 360 or 370	3
<u>Math/Science Electives¹</u>	<u>4</u>

Complete Writing Portfolio

Third Year

First Term *Credits*

CE 302	2
CE 315	3
CE 330	3
COM 400 [COMM]	3
CON E 252	2
CON E 360	3

Second Term *Credits*

CE 203	2
CE 317 [M]	4
CE 414	3
CON E 351	2
CON E 361	3
CST M 356	3
<u>Professional Electives²</u>	<u>3</u>

Fourth Year

First Term *Credits*

CE 400	3
CE 433	3
<u>CE 463</u>	<u>3</u>
<u>CE 480</u>	<u>1</u>
CST M 460	3
CST M 462	3
Professional Electives ¹²	3
Complete Experiential Requirement ²³	0 - 1

Second Term *Credits*

CE 465 [M] [CAPS] ³⁴	4
CE 480	1
CST M 368	3
CST M 473	3
CST M 484	3
Professional Electives ¹²	3
Con E Exit Survey	

Footnotes

	<p>¹ <u>Math/Science Electives (4 credits required): Students may select from CHEM 106, MATH 220 and 273, PHYSICS 202 and 212, SOE 110, 210.</u></p> <p>¹² <u>Professional Electives (69 credits required): Students must choose an area of emphasis and complete the required courses and additional professional electives: 1) Structures/Buildings: CE 414 and two from CE 431, 433, or 436; 2) Infrastructure/Pavement: CE 322, 473; and one from CE 425, 472, 474, or 476; 3) Foundations/Heavy Civil: CE 414, 433, 435; 4) Environmental Facilities: CE 341, 442; and one from CE 351, 407, 415, 416, or 418; 5) General Civil: Any two <u>At least 9 credits of 300-400 level CE courses not used to fulfill major requirements. Additional professional electives included any 300-400 level CE, CST M or CON E course not used to fulfill major requirements. 3 credits must be one of the following 400-level CE design courses: CE 403, 419, 425, 431, 433, 434, 435, 436, 442, 451, 460, 473, 474, or 476.</u></u></p> <p>²³ <u>Experiential Requirement: Requires completion of one of the following: 1) one credit of CE 495 or 499; 2) six or more credits of study abroad; 3) military service or participation in recognized ROTC program.</u></p> <p>³⁴ <u>CE 465 [M] [CAPS] must be taken in the final semester.</u></p>																																																					
<p>Data Analytics Under B.S. in Data Analytics, add Actuarial Science Option</p>	<p>Data Analytics – Actuarial Science Option (120 Credits)</p> <p>Students are admitted to the Data Analytics major upon completion of 24 semester credits with a 2.0 cumulative GPA.</p> <p>First Year</p> <table border="0" style="width: 100%;"> <tr> <td style="text-align: left;"><i>First Term</i></td> <td style="text-align: right;"><i>Credits</i></td> </tr> <tr> <td>CPT S 121 or 131, or CS 121</td> <td style="text-align: right;">4</td> </tr> <tr> <td>DATA 115</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>MATH 171 [QUAN]</td> <td style="text-align: right;">4</td> </tr> <tr> <td colspan="2"> </td> </tr> <tr> <td style="text-align: left;"><i>Second Term</i></td> <td style="text-align: right;"><i>Credits</i></td> </tr> <tr> <td>CPT S 122 or 132, or CS 122</td> <td style="text-align: right;">4</td> </tr> <tr> <td>ECONS 101 [SSCI]</td> <td style="text-align: right;">3</td> </tr> <tr> <td>HISTORY 105 [ROOT]</td> <td style="text-align: right;">3</td> </tr> <tr> <td>MATH 172</td> <td style="text-align: right;">4</td> </tr> <tr> <td colspan="2"> </td> </tr> <tr> <td colspan="2">Second Year</td> </tr> <tr> <td style="text-align: left;"><i>First Term</i></td> <td style="text-align: right;"><i>Credits</i></td> </tr> <tr> <td>Biological Sciences [BSCI] or Physical Sciences [PSCI] (with lab)¹</td> <td style="text-align: right;">4</td> </tr> <tr> <td>CPT S / CS 215</td> <td style="text-align: right;">3</td> </tr> <tr> <td>ECONS 102</td> <td style="text-align: right;">3</td> </tr> <tr> <td>MATH 220</td> <td style="text-align: right;">2</td> </tr> <tr> <td>STAT 360</td> <td style="text-align: right;">3</td> </tr> <tr> <td colspan="2"> </td> </tr> <tr> <td style="text-align: left;"><i>Second Term</i></td> <td style="text-align: right;"><i>Credits</i></td> </tr> <tr> <td>ACCTG 230</td> <td style="text-align: right;">3</td> </tr> <tr> <td>Biological Sciences [BSCI] or Physical Sciences [PSCI]¹</td> <td style="text-align: right;">3</td> </tr> <tr> <td>CPT S / CS 315</td> <td style="text-align: right;">3</td> </tr> <tr> <td>FIN 325</td> <td style="text-align: right;">3</td> </tr> <tr> <td>STAT 380</td> <td style="text-align: right;">3</td> </tr> </table>	<i>First Term</i>	<i>Credits</i>	CPT S 121 or 131, or CS 121	4	DATA 115	3	ENGLISH 101 [WRTG]	3	MATH 171 [QUAN]	4	 		<i>Second Term</i>	<i>Credits</i>	CPT S 122 or 132, or CS 122	4	ECONS 101 [SSCI]	3	HISTORY 105 [ROOT]	3	MATH 172	4	 		Second Year		<i>First Term</i>	<i>Credits</i>	Biological Sciences [BSCI] or Physical Sciences [PSCI] (with lab) ¹	4	CPT S / CS 215	3	ECONS 102	3	MATH 220	2	STAT 360	3	 		<i>Second Term</i>	<i>Credits</i>	ACCTG 230	3	Biological Sciences [BSCI] or Physical Sciences [PSCI] ¹	3	CPT S / CS 315	3	FIN 325	3	STAT 380	3	<p>8-22</p>
<i>First Term</i>	<i>Credits</i>																																																					
CPT S 121 or 131, or CS 121	4																																																					
DATA 115	3																																																					
ENGLISH 101 [WRTG]	3																																																					
MATH 171 [QUAN]	4																																																					
<i>Second Term</i>	<i>Credits</i>																																																					
CPT S 122 or 132, or CS 122	4																																																					
ECONS 101 [SSCI]	3																																																					
HISTORY 105 [ROOT]	3																																																					
MATH 172	4																																																					
Second Year																																																						
<i>First Term</i>	<i>Credits</i>																																																					
Biological Sciences [BSCI] or Physical Sciences [PSCI] (with lab) ¹	4																																																					
CPT S / CS 215	3																																																					
ECONS 102	3																																																					
MATH 220	2																																																					
STAT 360	3																																																					
<i>Second Term</i>	<i>Credits</i>																																																					
ACCTG 230	3																																																					
Biological Sciences [BSCI] or Physical Sciences [PSCI] ¹	3																																																					
CPT S / CS 315	3																																																					
FIN 325	3																																																					
STAT 380	3																																																					

	<p><u>Elective</u> 3</p> <p>Complete Writing Portfolio</p> <p>Third Year</p> <p><i>First Term</i> Credits</p> <p>Arts [ARTS] 3</p> <p>CPT S / CS 415 3</p> <p>MATH 405 3</p> <p>STAT 435 [M] 3</p> <p>Electives or MATH 300² 3</p> <p><i>Second Term</i> Credits</p> <p>Communication [COMM] or Written Communication [WRTG] 3</p> <p>CPT S 451 or CS 351 3</p> <p>FIN 350 3</p> <p>Humanities [HUM] 3</p> <p>STAT 437 3</p> <p>Fourth Year</p> <p><i>First Term</i> Credits</p> <p>DATA 498 Internship 3</p> <p>Diversity [DIVR] 3</p> <p>STAT 419 3</p> <p>STAT 443 3</p> <p>Electives or B LAW 210² 3</p> <p><i>Second Term</i> Credits</p> <p>DATA 424 [CAPS] [M] 3</p> <p>PHIL 450 3</p> <p>STAT 446 3</p> <p>Electives 8</p> <p>Footnotes</p> <p>¹ For a total of 7 credits—one Biological Science [BSCI] and one Physical Science [PSCI] course, including one lab course.</p> <p>² B_LAW 210 and MATH 300 are recommended electives.</p>	
<p>Data Analytics Under B.S. in Data Analytics, add option in Agricultural and Environmental Systems</p>	<p>Data Analytics – Agricultural and Environmental Systems (120 Credits)</p> <p>Students are admitted to the Data Analytics major upon completion of 24 semester credits with a 2.0 cumulative GPA.</p> <p>First Year</p>	<p>8-22</p>

<i>First Term</i>	<i>Credits</i>
CPT S 121 or 131, or CS 121	4
DATA 115	3
ENGLISH 101 [WRTG]	3
MATH 171 [QUAN]	4
<i>Second Term</i>	<i>Credits</i>
CPT S 122 or 132, or CS 122	4
HISTORY 105 [ROOT]	3
MATH 172	4
<u>Elective</u>	<u>4</u>
Social Sciences [SSCI]	3
Second Year	
<i>First Term</i>	<i>Credits</i>
BIOLOGY 106 [BSCI]	4
CPT S / CS 215	3
MATH 220	2
SOIL SCI 201	3
STAT 360	3
<i>Second Term</i>	<i>Credits</i>
Communication [COMM] or Written Communication [WRTG]	3
CPT S / CS 315	3
Physical Sciences [PSCI] or SOE 101 [PSCI] ¹	3 or 4
SOE 204	4
STAT 380	3
<u>Elective</u>	<u>3</u>
Complete Writing Portfolio	
Third Year	
<i>First Term</i>	<i>Credits</i>
Arts [ARTS]	3
CPT S / CS 415	3
STAT 435 [M]	3
Option Course or elective ¹	3 or 4
Elective	4
<i>Second Term</i>	<i>Credits</i>
CPT S 451 or CS 351	3
Humanities [HUM]	3
STAT 437	3

	<p>Electives 6</p> <p>Fourth Year</p> <p><i>First Term</i> <i>Credits</i></p> <p>DATA 498 Internship 3</p> <p>Diversity [DIVR] 3</p> <p>SOIL SCI 368 3</p> <p>STAT 419 3</p> <p>Elective 3</p> <p><i>Second Term</i> <i>Credits</i></p> <p>DATA 424 [CAPS] [M] 3</p> <p>PHIL 450 3</p> <p>SOIL SCI 468 4</p> <p>Electives 6</p> <p>Footnotes</p> <p>¹ Option Course (3 or 4 credits): Choose one from BIOLOGY 372, SOE 110, or SOIL SCI 374. BIOLOGY 372 requires prerequisite CHEM 102 or CHEM 105.</p>	
<p>Data Analytics Under B.S. in Data Analytics, add Business Option</p>	<p>Data Analytics – Business Option (120 Credits)</p> <p>Students are admitted to the Data Analytics major upon completion of 24 semester credits with a 2.0 cumulative GPA.</p> <p>First Year</p> <p><i>First Term</i> <i>Credits</i></p> <p>CPT S 121 or 131, or CS 121 4</p> <p>DATA 115 3</p> <p>ENGLISH 101 [WRTG] 3</p> <p>MATH 171 [QUAN] 4</p> <p>Elective 1</p> <p><i>Second Term</i> <i>Credits</i></p> <p>CPT S 122 or 132, or CS 122 4</p> <p>ECONS 101 [SSCI] 3</p> <p>HISTORY 105 [ROOT] 3</p> <p>MATH 172 4</p> <p>Electives <u>±5</u></p> <p>Second Year</p> <p><i>First Term</i> <i>Credits</i></p> <p>ACCTG 230 3</p> <p>Biological Sciences [BSCI] or Physical Sciences [PSCI] (with lab)¹ 4</p>	<p>8-22</p>

CPT S / CS 215	3
MATH 220	2
STAT 360	3
<i>Second Term</i>	<i>Credits</i>
Biological Sciences [BSCI] or Physical Sciences [PSCI] ¹	3
Communication [COMM] or Written Communication [WRTG]	3
CPT S / CS 315	3
MIS 250	3
STAT 380	3
<u>Elective</u>	<u>3</u>
Complete Writing Portfolio	
Third Year	
<i>First Term</i>	<i>Credits</i>
Arts [ARTS]	3
CPT S / CS 415	3
ECONS 311	3
STAT 435 [M]	3
Electives	3
<i>Second Term</i>	<i>Credits</i>
CPT S 451 or CS 351	3
Humanities [HUM]	3
MIS 372	3
STAT 437	3
Electives	3
Fourth Year	
<i>First Term</i>	<i>Credits</i>
DATA 498 Internship	3
Diversity [DIVR]	3
STAT 419	3
Choice Pair Course ²	3
Electives	3
<i>Second Term</i>	<i>Credits</i>
DATA 424 [CAPS] [M]	3
PHIL 450	3
Choice Pair Course ²	3
Electives	6
Footnotes	

	<p>¹ For a total of 7 credits—one Biological Science [BSCI] and one Physical Science [PSCI] course, including one lab course.</p> <p>² Choice Pair Courses (6 credits): Choose 1 pair from FIN 325 and FIN 421; FIN 325 and FIN 425; FIN 325 and FIN 427; MIS 325 and MIS 420; or MKTG 360 and MKTG 368.</p>																																																															
<p>Data Analytics Under B.S. in Data Analytics, add Computation Option</p>	<p>Data Analytics – Computation Option (120 Credits)</p> <p>Students are admitted to the Data Analytics major upon completion of 24 semester credits with a 2.0 cumulative GPA. Not available on the WSU-Vancouver campus.</p> <p>First Year</p> <table border="0" style="width: 100%;"> <tr> <td style="width: 80%;"><i>First Term</i></td> <td style="text-align: right;"><i>Credits</i></td> </tr> <tr> <td>CPT S 121 or 131</td> <td style="text-align: right;">4</td> </tr> <tr> <td>DATA 115</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>MATH 171 [QUAN]</td> <td style="text-align: right;">4</td> </tr> <tr> <td>Elective</td> <td style="text-align: right;">1</td> </tr> <tr> <td colspan="2"> </td> </tr> <tr> <td><i>Second Term</i></td> <td style="text-align: right;"><i>Credits</i></td> </tr> <tr> <td>CPT S 122 or 132</td> <td style="text-align: right;">4</td> </tr> <tr> <td>HISTORY 105 [ROOT]</td> <td style="text-align: right;">3</td> </tr> <tr> <td>MATH 172</td> <td style="text-align: right;">4</td> </tr> <tr> <td><u>Elective</u></td> <td style="text-align: right;"><u>4</u></td> </tr> <tr> <td>Social Sciences [SSCI]</td> <td style="text-align: right;">3</td> </tr> <tr> <td>Elective</td> <td style="text-align: right;">1</td> </tr> <tr> <td colspan="2"> </td> </tr> <tr> <td>Second Year</td> <td></td> </tr> <tr> <td><i>First Term</i></td> <td style="text-align: right;"><i>Credits</i></td> </tr> <tr> <td>Biological Sciences [BSCI] or Physical Sciences [PSCI] (with lab)¹</td> <td style="text-align: right;">4</td> </tr> <tr> <td>CPT S 215</td> <td style="text-align: right;">3</td> </tr> <tr> <td>MATH 216</td> <td style="text-align: right;">3</td> </tr> <tr> <td>MATH 220</td> <td style="text-align: right;">2</td> </tr> <tr> <td>STAT 360</td> <td style="text-align: right;">3</td> </tr> <tr> <td colspan="2"> </td> </tr> <tr> <td><i>Second Term</i></td> <td style="text-align: right;"><i>Credits</i></td> </tr> <tr> <td>Biological Sciences [BSCI] or Physical Sciences [PSCI]¹</td> <td style="text-align: right;">3</td> </tr> <tr> <td>Communication [COMM] or Written Communication [WRTG]</td> <td style="text-align: right;">3</td> </tr> <tr> <td>CPT S 315</td> <td style="text-align: right;">3</td> </tr> <tr> <td>CPT S 317</td> <td style="text-align: right;">3</td> </tr> <tr> <td>STAT 380</td> <td style="text-align: right;">3</td> </tr> <tr> <td><u>Elective</u></td> <td style="text-align: right;"><u>3</u></td> </tr> <tr> <td>Complete Writing Portfolio</td> <td></td> </tr> </table>	<i>First Term</i>	<i>Credits</i>	CPT S 121 or 131	4	DATA 115	3	ENGLISH 101 [WRTG]	3	MATH 171 [QUAN]	4	Elective	1	 		<i>Second Term</i>	<i>Credits</i>	CPT S 122 or 132	4	HISTORY 105 [ROOT]	3	MATH 172	4	<u>Elective</u>	<u>4</u>	Social Sciences [SSCI]	3	Elective	1	 		Second Year		<i>First Term</i>	<i>Credits</i>	Biological Sciences [BSCI] or Physical Sciences [PSCI] (with lab) ¹	4	CPT S 215	3	MATH 216	3	MATH 220	2	STAT 360	3	 		<i>Second Term</i>	<i>Credits</i>	Biological Sciences [BSCI] or Physical Sciences [PSCI] ¹	3	Communication [COMM] or Written Communication [WRTG]	3	CPT S 315	3	CPT S 317	3	STAT 380	3	<u>Elective</u>	<u>3</u>	Complete Writing Portfolio		<p>8-22</p>
<i>First Term</i>	<i>Credits</i>																																																															
CPT S 121 or 131	4																																																															
DATA 115	3																																																															
ENGLISH 101 [WRTG]	3																																																															
MATH 171 [QUAN]	4																																																															
Elective	1																																																															
<i>Second Term</i>	<i>Credits</i>																																																															
CPT S 122 or 132	4																																																															
HISTORY 105 [ROOT]	3																																																															
MATH 172	4																																																															
<u>Elective</u>	<u>4</u>																																																															
Social Sciences [SSCI]	3																																																															
Elective	1																																																															
Second Year																																																																
<i>First Term</i>	<i>Credits</i>																																																															
Biological Sciences [BSCI] or Physical Sciences [PSCI] (with lab) ¹	4																																																															
CPT S 215	3																																																															
MATH 216	3																																																															
MATH 220	2																																																															
STAT 360	3																																																															
<i>Second Term</i>	<i>Credits</i>																																																															
Biological Sciences [BSCI] or Physical Sciences [PSCI] ¹	3																																																															
Communication [COMM] or Written Communication [WRTG]	3																																																															
CPT S 315	3																																																															
CPT S 317	3																																																															
STAT 380	3																																																															
<u>Elective</u>	<u>3</u>																																																															
Complete Writing Portfolio																																																																

	<p>Third Year</p> <p><i>First Term</i> <i>Credits</i></p> <p>Arts [ARTS] 3</p> <p>CPT S 322 3</p> <p>CPT S 415 3</p> <p>MATH 301 3</p> <p>STAT 435 [M] 3</p> <p><i>Second Term</i> <i>Credits</i></p> <p>CPT S 350 3</p> <p>CPT S 451 3</p> <p>Humanities [HUM] 3</p> <p>MATH 364 3</p> <p>STAT 437 3</p> <p>Fourth Year</p> <p><i>First Term</i> <i>Credits</i></p> <p>CPT S 434, 437, or 440 3</p> <p>DATA 498 Internship 3</p> <p>Diversity [DIVR] 3</p> <p>MATH 420 3</p> <p>STAT 419 3</p> <p><i>Second Term</i> <i>Credits</i></p> <p>DATA 424 [CAPS] [M] 3</p> <p>PHIL 450 3</p> <p>Option Courses² 9</p> <p>Footnotes</p> <p>¹ For a total of 7 credits—one Biological Science [BSCI] and one Physical Science [PSCI] course, including one lab course.</p> <p>² Option Courses (9 credits): Choose three from CPT S /CS 411, CPT S /CS 471, MATH 448 (prerequisite of MATH 315), or MATH 466.</p>	
<p>Data Analytics Under B.S. in Data Analytics, add Data Visualization Option</p>	<p>Data Analytics – Data Visualization Option (120 Credits)</p> <p>Students are admitted to the Data Analytics major upon completion of 24 semester credits with a 2.0 cumulative GPA.</p> <p>First Year</p> <p><i>First Term</i> <i>Credits</i></p> <p>CPT S 121 or 131, or CS 121 4</p> <p>DATA 115 3</p>	8-22

ENGLISH 101 [WRTG]	3
MATH 171 [QUAN]	4
Elective	1
<i>Second Term</i>	<i>Credits</i>
CPT S 122 or 132, or CS 122	4
HISTORY 105 [ROOT]	3
MATH 172	4
Social Science [SSCI]	3
Electives	<u>±5</u>
Second Year	
<i>First Term</i>	<i>Credits</i>
Biological Sciences [BSCI] or Physical Sciences [PSCI] (with lab) ¹	4
CPT S / CS 215	3
DTC 201 [ARTS]	3
MATH 220	2
STAT 360	3
<i>Second Term</i>	<i>Credits</i>
Biological Sciences [BSCI] or Physical Sciences [PSCI] ¹	3
Communication [COMM] or Written Communication [WRTG]	3
CPT S / CS 315	3
DTC 101 or 209	3
STAT 380	3
<u>Elective</u>	<u>3</u>
Complete Writing Portfolio	
Third Year	
<i>First Term</i>	<i>Credits</i>
CPT S / CS 415	3
STAT 435 [M]	3
Option Courses ²	6
Electives	3
<i>Second Term</i>	<i>Credits</i>
CPT S 451 or CS 351	3
Humanities [HUM]	3
STAT 437	3
Option Courses ²	6
Fourth Year	

	<p><i>First Term</i></p> <p>DATA 498 Internship 3</p> <p>Diversity [DIVR] 3</p> <p>STAT 419 3</p> <p>Electives 6</p> <p><i>Second Term</i></p> <p>DATA 424 [CAPS] [M] 3</p> <p>PHIL 450 3</p> <p>Electives 9</p> <p>Footnotes</p> <p>¹ For a total of 7 credits—one Biological Science [BSCI] and one Physical Science [PSCI] course, including one lab course.</p> <p>² Option Courses (12 credits): Choose four from: DTC 335, 336, 354, 355, 435, 477, 478.</p>	<i>Credits</i>	
Data Analytics Under B.S. in Data Analytics, add Economics Option	<p>Data Analytics – Economics Option (120 Credits)</p> <p>Students are admitted to the Data Analytics major upon completion of 24 semester credits with a 2.0 cumulative GPA.</p> <p>First Year</p> <p><i>First Term</i></p> <p>CPT S 121 or 131, or CS 121 4</p> <p>DATA 115 3</p> <p>ENGLISH 101 [WRTG] 3</p> <p>MATH 171 [QUAN] 4</p> <p><i>Second Term</i></p> <p>CPT S 122 or 132, or CS 122 4</p> <p>ECONS 101 [SSCI] 3</p> <p>HISTORY 105 [ROOT] 3</p> <p>MATH 172 4</p> <p><u>Elective</u> 4</p> <p>Second Year</p> <p><i>First Term</i></p> <p>Biological Sciences [BSCI] or Physical Sciences [PSCI] (with lab)¹ 4</p> <p>CPT S / CS 215 3</p> <p>ECONS 102 3</p> <p>MATH 220 2</p> <p>STAT 360 3</p> <p><i>Second Term</i></p>	<i>Credits</i>	8-22

	Biological Sciences [BSCI] or Physical Sciences [PSCI] ¹ 3 Communication [COMM] or Written Communication [WRTG] 3 CPT S / CS 315 3 ECONS 301 4 STAT 380 3 <u>Elective</u> 3 Complete Writing Portfolio Third Year <i>First Term</i> <i>Credits</i> Arts [ARTS] 3 CPT S / CS 415 3 ECONS 302 3 STAT 435 [M] 3 Option Course ² 3 <i>Second Term</i> <i>Credits</i> CPT S 451 or CS 351 3 Humanities [HUM] 3 STAT 437 3 Option Courses ² 6 Fourth Year <i>First Term</i> <i>Credits</i> DATA 498 Internship 3 Diversity [DIVR] 3 STAT 419 3 Electives 6 <i>Second Term</i> <i>Credits</i> DATA 424 [CAPS] [M] 3 PHIL 450 3 Electives 10 Footnotes ¹ For a total of 7 credits—one Biological Science [BSCI] and one Physical Science [PSCI] course, including one lab course. ² Option Courses (9 credits): Choose three from ECONS 311, 321, 323, 324, 327, 424, 425, 426, 451, 452, 490, STAT 443.	
Data Analytics Under B.S. in Data Analytics, add Life Sciences Option	Data Analytics – Life Sciences Option (120 Credits) Students are admitted to the Data Analytics major upon completion of 24 semester credits with a 2.0 cumulative GPA.	8-22

First Year		
<i>First Term</i>		<i>Credits</i>
CPT S 121 or 131, or CS 121		4
DATA 115		3
ENGLISH 101 [WRTG]		3
MATH 171 [QUAN]		4
<i>Second Term</i>		<i>Credits</i>
BIOLOGY 106 [BSCI]		4
CPT S 122 or 132, or CS 122		4
HISTORY 105 [ROOT]		3
MATH 172		4
<u>Elective</u>		<u>4</u>
Second Year		
<i>First Term</i>		<i>Credits</i>
BIOLOGY 107		4
CHEM 101 [PSCI] or CHEM 105 [PSCI]		4
CPT S / CS 215		3
MATH 220		2
STAT 360		3
<i>Second Term</i>		<i>Credits</i>
CHEM 102 or CHEM 106		4
Communication [COMM] or Written Communication [WRTG]		3
CPT S / CS 315		3
Social Sciences [SSCI]		3
STAT 380		3
<u>Elective</u>		<u>3</u>
Complete Writing Portfolio		
Third Year		
<i>First Term</i>		<i>Credits</i>
Arts [ARTS]		3
BIOLOGY 301 or MBIOS 301		4
CPT S / CS 415		3
STAT 435 [M]		3
Electives		3
<i>Second Term</i>		<i>Credits</i>
CPT S 451 or CS 351		3

	Humanities [HUM] 3 STAT 437 3 Recommended Option Course or Electives ¹ 6 Fourth Year <i>First Term</i> <i>Credits</i> DATA 498 Internship 3 Diversity [DIVR] 3 STAT 419 3 Recommended Option Course or Electives ¹ 3 Electives 3 <i>Second Term</i> <i>Credits</i> DATA 424 [CAPS] [M] 3 PHIL 450 3 Electives 7 Footnotes ¹ Recommended Option Courses: BIOLOGY 335, 474, MBIOS 478.	
Data Analytics Under B.S. in Data Analytics, add Physical Sciences Option	Data Analytics – Physical Sciences Option (120 Credits) Students are admitted to the Data Analytics major upon completion of 24 semester credits with a 2.0 cumulative GPA. First Year <i>First Term</i> <i>Credits</i> CPT S 121 or 131, or CS 121 4 DATA 115 3 ENGLISH 101 [WRTG] 3 MATH 171 [QUAN] 4 Elective 1 <i>Second Term</i> <i>Credits</i> CHEM 105 [PSCI] 4 CPT S 122 or 132, or CS 122 4 HISTORY 105 [ROOT] 3 MATH 172 4 <u>Elective</u> 4 Second Year <i>First Term</i> <i>Credits</i> Biological Sciences [BSCI] 3	8-22

CHEM 106	4
CPT S / CS 215	3
MATH 220	2
STAT 360	3
<i>Second Term</i>	<i>Credits</i>
Communication [COMM] or Written Communication [WRTG]	3
CPT S / CS 315	3
MATH 273	3
Social Sciences [SSCI]	3
STAT 380	3
<u>Elective</u>	<u>3</u>
Complete Writing Portfolio	
Third Year	
<i>First Term</i>	<i>Credits</i>
Arts [ARTS]	3
CPT S / CS 415	3
PHYSICS 201	3
PHYSICS 211	1
STAT 435 [M]	3
Electives	3
<i>Second Term</i>	<i>Credits</i>
CPT S 451 or CS 351	3
Humanities [HUM]	3
PHYSICS 202	3
PHYSICS 212	1
STAT 437	3
Option Course ¹	3
Fourth Year	
<i>First Term</i>	<i>Credits</i>
DATA 498 Internship	3
Diversity [DIVR]	3
STAT 419	3
Option Course ¹	1 or 2
Electives	3
<i>Second Term</i>	<i>Credits</i>
DATA 424 [CAPS] [M]	3
PHIL 450	3

	<p>Electives 9</p> <p>Footnotes</p> <p>¹ Option Course (4 or 5 credits): Choose one pair from CHEM 331 and 333 or CHEM 332 and 334.</p>																																																							
<p>Data Analytics Under B.S. in Data Analytics, add Social Sciences Option</p>	<p>Data Analytics – Social Sciences Option (120 Credits)</p> <p>Students are admitted to the Data Analytics major upon completion of 24 semester credits with a 2.0 cumulative GPA.</p> <p>First Year</p> <table data-bbox="367 512 1385 1056"> <thead> <tr> <th><i>First Term</i></th> <th><i>Credits</i></th> </tr> </thead> <tbody> <tr> <td>CPT S 121 or 131, or CS 121</td> <td>4</td> </tr> <tr> <td>DATA 115</td> <td>3</td> </tr> <tr> <td>ENGLISH 101 [WRTG]</td> <td>3</td> </tr> <tr> <td>MATH 171 [QUAN]</td> <td>4</td> </tr> <tr> <td>Elective</td> <td>1</td> </tr> <tr> <td colspan="2">Second Term</td> </tr> <tr> <td></td> <td><i>Credits</i></td> </tr> <tr> <td>CPT S 122 or 132, or CS 122</td> <td>4</td> </tr> <tr> <td>HISTORY 105 [ROOT]</td> <td>3</td> </tr> <tr> <td>MATH 172</td> <td>4</td> </tr> <tr> <td>SOC 101 [SSCI]</td> <td>3</td> </tr> <tr> <td>Electives</td> <td><u>15</u></td> </tr> </tbody> </table> <p>Second Year</p> <table data-bbox="367 1152 1385 1745"> <thead> <tr> <th><i>First Term</i></th> <th><i>Credits</i></th> </tr> </thead> <tbody> <tr> <td>Biological Sciences [BSCI] or Physical Sciences [PSCI] (with lab)¹</td> <td>4</td> </tr> <tr> <td>CPT S / CS 215</td> <td>3</td> </tr> <tr> <td>MATH 220</td> <td>2</td> </tr> <tr> <td>POL S 201 or SOC 317</td> <td>3</td> </tr> <tr> <td>STAT 360</td> <td>3</td> </tr> <tr> <td colspan="2">Second Term</td> </tr> <tr> <td></td> <td><i>Credits</i></td> </tr> <tr> <td>Biological Sciences [BSCI] or Physical Sciences [PSCI]¹</td> <td>3</td> </tr> <tr> <td>Communication [COMM] or Written Communication [WRTG]</td> <td>3</td> </tr> <tr> <td>CPT S / CS 315</td> <td>3</td> </tr> <tr> <td>SOC 340 [DIVR]</td> <td>3</td> </tr> <tr> <td>STAT 380</td> <td>3</td> </tr> <tr> <td>Elective</td> <td><u>3</u></td> </tr> </tbody> </table> <p>Complete Writing Portfolio</p> <p>Third Year</p>	<i>First Term</i>	<i>Credits</i>	CPT S 121 or 131, or CS 121	4	DATA 115	3	ENGLISH 101 [WRTG]	3	MATH 171 [QUAN]	4	Elective	1	Second Term			<i>Credits</i>	CPT S 122 or 132, or CS 122	4	HISTORY 105 [ROOT]	3	MATH 172	4	SOC 101 [SSCI]	3	Electives	<u>15</u>	<i>First Term</i>	<i>Credits</i>	Biological Sciences [BSCI] or Physical Sciences [PSCI] (with lab) ¹	4	CPT S / CS 215	3	MATH 220	2	POL S 201 or SOC 317	3	STAT 360	3	Second Term			<i>Credits</i>	Biological Sciences [BSCI] or Physical Sciences [PSCI] ¹	3	Communication [COMM] or Written Communication [WRTG]	3	CPT S / CS 315	3	SOC 340 [DIVR]	3	STAT 380	3	Elective	<u>3</u>	<p>8-22</p>
<i>First Term</i>	<i>Credits</i>																																																							
CPT S 121 or 131, or CS 121	4																																																							
DATA 115	3																																																							
ENGLISH 101 [WRTG]	3																																																							
MATH 171 [QUAN]	4																																																							
Elective	1																																																							
Second Term																																																								
	<i>Credits</i>																																																							
CPT S 122 or 132, or CS 122	4																																																							
HISTORY 105 [ROOT]	3																																																							
MATH 172	4																																																							
SOC 101 [SSCI]	3																																																							
Electives	<u>15</u>																																																							
<i>First Term</i>	<i>Credits</i>																																																							
Biological Sciences [BSCI] or Physical Sciences [PSCI] (with lab) ¹	4																																																							
CPT S / CS 215	3																																																							
MATH 220	2																																																							
POL S 201 or SOC 317	3																																																							
STAT 360	3																																																							
Second Term																																																								
	<i>Credits</i>																																																							
Biological Sciences [BSCI] or Physical Sciences [PSCI] ¹	3																																																							
Communication [COMM] or Written Communication [WRTG]	3																																																							
CPT S / CS 315	3																																																							
SOC 340 [DIVR]	3																																																							
STAT 380	3																																																							
Elective	<u>3</u>																																																							

	<p><i>First Term</i></p> <p>Arts [ARTS] 3</p> <p>CPT S / CS 415 3</p> <p>POL S 316 3</p> <p>STAT 435 [M] 3</p> <p>Option Course² 3</p> <p><i>Second Term</i></p> <p>CPT S 451 or CS 351 3</p> <p>Humanities [HUM] 3</p> <p>STAT 437 3</p> <p>Option Courses² 6</p> <p>Fourth Year</p> <p><i>First Term</i></p> <p>DATA 498 Internship 3</p> <p>STAT 419 3</p> <p>Electives 9</p> <p><i>Second Term</i></p> <p>DATA 424 [CAPS] [M] 3</p> <p>PHIL 450 3</p> <p>Electives 9</p> <p>Footnotes</p> <p>¹ For a total of 7 credits—one Biological Science [BSCI] and one Physical Science [PSCI] course, including one lab course.</p> <p>² Option Courses (9 credits): Choose three from ED PSYCH 400, 404, PHIL 350, POL S 416, PSYCH 105, 333, SOC 230.</p>	
<p>Data Analytics Under B.S. in Data Analytics, add General Option</p>	<p>Data Analytics – General Option (120 Credits)</p> <p>Students are admitted to the Data Analytics major upon completion of 24 semester credits with a 2.0 cumulative GPA.</p> <p>First Year</p> <p><i>First Term</i></p> <p>CPT S 121 or 131, or CS 121 4</p> <p>DATA 115 3</p> <p>ENGLISH 101 [WRTG] 3</p> <p>MATH 171 [QUAN] 4</p> <p><i>Second Term</i></p> <p>CPT S 122 or 132, or CS 122 4</p> <p>HISTORY 105 [ROOT] 3</p>	<p>8-22</p>

MATH 172	4
<u>Elective</u>	<u>4</u>
Social Sciences [SSCI]	3
Second Year	
<i>First Term</i>	<i>Credits</i>
Biological Sciences [BSCI] or Physical Sciences [PSCI] (with lab) ¹	4
CPT S / CS 215	3
MATH 220	2
STAT 360	3
Minor Course ²	3
<i>Second Term</i>	<i>Credits</i>
Biological Sciences [BSCI] or Physical Sciences [PSCI] ¹	3
Communication [COMM] or Written Communication [WRTG]	3
CPT S / CS 315	3
STAT 380	3
Minor Courses ²	<u>4</u>
Complete Writing Portfolio	
Third Year	
<i>First Term</i>	<i>Credits</i>
Arts [ARTS]	3
CPT S / CS 415	3
STAT 435 [M]	3
Minor Courses <u>or</u> <u>electives</u> ²	6
<i>Second Term</i>	<i>Credits</i>
CPT S 451 or CS 351	3
Humanities [HUM]	3
STAT 437	3
Minor Courses or Electives ²	6
Fourth Year	
<i>First Term</i>	<i>Credits</i>
Diversity [DIVR]	3
STAT 419	3
Electives	6
DATA 498 Internship	3
<i>Second Term</i>	<i>Credits</i>
DATA 424 [CAPS] [M]	3

	<p>PHIL 450 3 Electives 10</p> <p>Footnotes ¹ For a total of 7 credits—one Biological Sciences [BSCI] and one Physical Sciences [PSCI] course, including one lab course. ² Student are encouraged to pursue a minor, in consultation with their advisor, while completing this option. Coursework must include sufficient 300-400-level coursework to meet the University requirement of 40 upper division credits.</p>																											
<p>{S} History Revise requirements for B.A. in History – General Option</p>	<p>History - General Option (120 Credits)</p> <p>36 credits of history are required, including 6 credits of US history, 6 credits of European history, and 9 credits of Non-Western/Global history; 21 credits at the 300-400-level, which must include HISTORY 300 and 469; and a 12-credit concentration (at least 6 credits 300-400-level) in the same or in related disciplines with the advisor's approval.</p> <p>To be admitted to the History – General option, a student must make their intention known to the department and have earned at least a 2.0 cumulative GPA.</p> <p>It is assumed that prior to the junior year the student will have completed courses meeting UCORE and College of Arts and Sciences requirements for graduation.</p> <p>A grade of C or better is required in all history courses used to fulfill the requirements for this degree.</p> <p>First Year</p> <table data-bbox="365 1197 1380 1459"> <thead> <tr> <th><i>First Term</i></th> <th><i>Credits</i></th> </tr> </thead> <tbody> <tr> <td>Arts [ARTS]</td> <td>3</td> </tr> <tr> <td>ENGLISH 101 [WRTG]</td> <td>3</td> </tr> <tr> <td>Humanities [HUM]</td> <td>3</td> </tr> <tr> <td>Quantitative Reasoning [QUAN]</td> <td>3 or 4</td> </tr> <tr> <td>Electives</td> <td>4</td> </tr> </tbody> </table> <p>Second Term</p> <table data-bbox="365 1480 1380 1743"> <thead> <tr> <th></th> <th><i>Credits</i></th> </tr> </thead> <tbody> <tr> <td>Communication [COMM] or Written Communication [WRTG]</td> <td>3</td> </tr> <tr> <td>Diversity [DIVR]</td> <td>3</td> </tr> <tr> <td>HISTORY 105 [ROOT]</td> <td>3</td> </tr> <tr> <td>Social Sciences [SSCI]</td> <td>3</td> </tr> <tr> <td>Electives</td> <td>3</td> </tr> </tbody> </table> <p>Second Year</p> <table data-bbox="365 1837 1380 1879"> <thead> <tr> <th><i>First Term</i></th> <th><i>Credits</i></th> </tr> </thead> </table>	<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>Credits</i>	Communication [COMM] or Written Communication [WRTG]	3	Diversity [DIVR]	3	HISTORY 105 [ROOT]	3	Social Sciences [SSCI]	3	Electives	3	<i>First Term</i>	<i>Credits</i>	<p>8-22</p>
<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>Credits</i>																											
Communication [COMM] or Written Communication [WRTG]	3																											
Diversity [DIVR]	3																											
HISTORY 105 [ROOT]	3																											
Social Sciences [SSCI]	3																											
Electives	3																											
<i>First Term</i>	<i>Credits</i>																											

Arts [ARTS], Humanities [HUM], or Social Sciences [SSCI]	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, 150, 201, 216, 235, 280, 298, 308, 313, 314, 320, 321, 322, 390, 398, 409, 410, 411, 412, 413 [M], 414, 415, 416, 417, 418, 419, 421, 422, 423, 486, or 496), 6 hours European history (HISTORY 101, 102, 340, 341, 342, 350, 381, 382, 386, 440, 441, 444, 445, 447, 448, 449, 450 [M], 453, 454, 455, 459, 462, 463 [M], 467, or 468), and 9 hours Non-Western/Global history (HISTORY 230, 231, 270, 271, 272, 273, 274, 275, 306, 331, 335, 337, 370,

	<p>373, 374, 387, 388, 425, 430 [M], 432, 433, 434, 435, 436, 439, 466, 472 [M], 473, 474, 475, 476 [M], 477 [M], 483, 491, 492, or 495).</p> <p>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, 396, 472, 473; American West: HISTORY 308, 319, 320, 398, 421, 422; Asia: HISTORY 201, 270, 271, 272, 273, 275, 306, 370, 373, 374, 387, 472, 473, 474, 475, 476, 477, 479; Atlantic History: HISTORY 150, 230, 231, 235, 274, 280, 308, 314, 331, 335, 413, 414, 430, 432, 433, 434, 435, 439, 492; Diplomatic History: HISTORY 387, 388, 411, 412, 463, 466, 486; Environmental History: HISTORY 308, 409, 422, 425, 494; Europe: HISTORY 101, 102, 340, 341, 342, 350, 355, 386, 435, 436, 440, 441, 444, 445, 447, 448, 449, 450, 453, 454, 459, 462, 467, 468; Gender and Sexuality: HISTORY 298, 335, 336, 337, 350, 398, 399; History of Imperialism/Colonialism: HISTORY 341, 388, 413, 414, 435, 436, 439, 454, 462, 479, 491, 495; Latin America: HISTORY 230, 231, 232, 331, 335, 430, 432, 433, 434; Popular Culture and the Arts: HISTORY 130, 216, 232, 320, 321, 322, 355, 423, 444, 448, 492; Public History: HISTORY 315, 410, 427, 438, 498 (required); Race and Ethnicity: HISTORY 150, 235, 280, 298, 308, 313, 314, 315, 398; Social Movements: HISTORY 130, 313, 399, 407, 423, 426, 445; Science and Technology: HISTORY 381, 382, 400, 483, 494; United States: HISTORY 110, 111, 150, 216, 298, 308, 313, 319, 320, 326, 388, 390, 398, 399, 407, 409, 410, 411, 412, 413, 414, 415, 416, 417, 418, 419, 421, 422, 426; War and Peace: HISTORY 386, 387, 388, 390, 416, <u>418, 419</u>, 445, 449, 455, 464, 466, 468. 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.</p> <p>⁴ Electives should include sufficient 300-400-level courses to meet University requirement of 40 credits of upper division coursework.</p>											
<p>{S} History Revise requirements for minor in War and Society</p>	<p>War and Society The minor in War and Society addresses political, social, economic, and cultural impacts of war. The minor requires 18 credits, 9 of which must be taken in residence at WSU or through WSU-approved education abroad or educational exchange courses. A grade of C or better is required in all course work for the minor. Approved courses include: HISTORY 386, 387, 388, 390, 416, 418, <u>419, 445</u>, 449, 455, 464, 466, 468.</p>	<p>8-22</p>										
<p>Music Under Bachelor of Music, add new major: Music Business</p>	<p>Music Business Degree (120 Credits) This major offers professional preparation in music with specialization in the music industry. The curriculum is designed to prepare students in entrepreneurship, arts management, fine arts marketing and promotion, recording studio management, music publishing and copyright, venue management, and retail operations.</p> <p>Requirements include: senior qualifying exam; piano proficiency exam; achieve a cumulative 2.5 GPA and a grade of C or better in all music classes; a half senior recital.</p> <p>Only 9 credits of MUS courses can be used to fulfill UCORE requirements.</p> <p>First Year</p> <table data-bbox="365 1659 1380 1869"> <thead> <tr> <th><i>First Term</i></th> <th><i>Credits</i></th> </tr> </thead> <tbody> <tr> <td>Applied MUS ¹</td> <td>2</td> </tr> <tr> <td>Arts [ARTS] (Non-MUS)</td> <td>3</td> </tr> <tr> <td>ENGLISH 101 [WRTG]</td> <td>3</td> </tr> <tr> <td>MUS 181²</td> <td>0 or 1</td> </tr> </tbody> </table>	<i>First Term</i>	<i>Credits</i>	Applied MUS ¹	2	Arts [ARTS] (Non-MUS)	3	ENGLISH 101 [WRTG]	3	MUS 181 ²	0 or 1	<p>8-22</p>
<i>First Term</i>	<i>Credits</i>											
Applied MUS ¹	2											
Arts [ARTS] (Non-MUS)	3											
ENGLISH 101 [WRTG]	3											
MUS 181 ²	0 or 1											

MUS 251 ³	3
MUS 252 ³	1
MUS Ensemble ⁴	1
<i>Second Term</i>	<i>Credits</i>
Applied MUS ¹	2
HISTORY 105 [ROOT]	3
MUS 164	1
MUS 182 ²	0 or 1
MUS 253 ⁵	3
MUS 254 ⁵	1
MUS Ensemble ⁴	1
Quantitative Reasoning [QUAN]	3
Second Year	
<i>First Term</i>	<i>Credits</i>
Applied MUS ¹	2
Business minor course	3
Communication [COMM] or Written Communication [WRTG]	3
MUS 351 ³	3
MUS 352 ³	1
MUS 470	2
MUS Ensemble ⁴	1
Social Sciences [SSCI]	3
<i>Second Term</i>	<i>Credits</i>
Applied MUS ¹	2
Business minor course	3
MUS 281 ²	0 or 1
MUS 353 ⁵	3
MUS 354 ⁵	1
MUS 359 [HUM] [M] ⁵	3
MUS Ensemble ⁴	1
Non-MUS Elective ⁶	2
Complete Writing Portfolio	
Pass Piano Proficiency	
Third Year	
<i>First Term</i>	<i>Credits</i>
Applied MUS ¹	2
Biological Sciences [BSCI] with lab ⁷	4

Diversity [DIVR] (Non-MUS)	3
MUS 360 [M] ³	3
MUS 428 or 435	1
MUS 482	1
300-400-level MUS Electives	2
<i>Second Term</i>	<i>Credits</i>
Applied MUS ¹	2
Business minor course	3
MUS 319	2
MUS 428 or 435	1
MUS 461 [CAPS] ⁵	3
Physical Sciences [PSCI] with lab ⁷	4
300-400-level MUS Electives	2
Fourth Year	
<i>First Term</i>	<i>Credits</i>
Applied MUS ¹	2
Business minor courses	6
MUS Ensemble ⁴	1
300-400-level MUS Electives	4
Foreign Language, if needed	0-4
Senior Qualifying Exam	
<i>Second Term</i>	<i>Credits</i>
Applied MUS ¹	2
Business minor course	3
MUS Ensemble ⁴	1
Non-MUS Electives ⁶	3
300-400-level MUS Electives	4
Foreign Language, if needed	0-4
Senior Half Recital	

Footnotes

¹ Applied Music: 16 credits required with a minimum of 4 credits at the 400 level. Approved courses include MUS 304-318, 320, 404-418, and 420.

² Class piano credits not required.

³ Fall only.

⁴ Music Ensembles: 6 credits required from MUS 428, 429, 430, 431, 433, 434, 435, 436, 437, 438, 439, 440, 441, 444.

⁵ Spring only.

⁶ Students must complete a minimum of 4 credits of electives outside of MUS and UCORE requirements. Please consult with advisor for elective selection.

⁷ To meet University and College of Arts and Sciences requirements, students must take a [BSCI] course with lab and [PSCI] course with lab.

