

UNDERGRADUATE AND PROFESSIONAL MAJOR CHANGE BULLETIN NO. 2

Fall 2024

Faculty Senate approved October 31, 2024

--REQUIREMENTS--

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 requirements for BS in Biology - Basic Medical Sciences</p>	<p>Biology – Basic Medical Sciences 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 a 2.0 cumulative GPA at the college level.</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<u>18</u> semester credits of core BIOLOGY (<u>BioCore</u>) courses (BIOLOGY 106, 107, 301, 370 [M] or 372 [M], and <u>305 or 395 or 403 or 405</u>). An additional 21 semester credits of biological sciences coursework that includes eight credits of program options listed below is required and should be selected in consultation with your biology advisor. The 21 semester credits must include 15 upper division credits, six of which must be BIOLOGY courses taken in residence at WSU. Coursework must include two <u>one additional</u> BIOLOGY writing in the major courses (identified by [M] in the course listings) <u>or ENGLISH 402 [M]</u>, and one BIOLOGY Capstone course (identified by the [CAPS] in the course listings). An overall <u>cumulative</u> 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, General Studies Biological Sciences, or Human Biology.</p> <p>Biology – Basic Medical Sciences Option (120 Credits)</p>	<p>8-25</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 a 2.0 cumulative GPA at the college level.

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~~18 semester credits of core BIOLOGY (BioCore) courses (BIOLOGY 106, 107, 301, 370 [M] or 372 [M], and 305 or 395 or 403 or 405). An additional 21 semester credits of biological sciences coursework that includes eight credits of program options listed below is required and should be selected in consultation with your biology advisor. The 21 semester credits must include 15 upper division credits, six of which must be BIOLOGY courses taken in residence at WSU. Coursework must include ~~two~~ one additional BIOLOGY writing in the major courses (identified by [M] in the course listings) or ENGLISH 402 [M], and one BIOLOGY Capstone course (identified by the [CAPS] in the course listings). ~~An overall~~ cumulative 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, General Studies Biological Sciences, or Human Biology.

First Year

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

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

Second Year

<i>First Term</i>	<i>Credits</i>
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Arts [ARTS]	3
Biology Core ¹	4 or 3 <u>3 or 4</u>
CHEM 345	4
Electives ²	4
<i>Second Term</i>	<i>Credits</i>
Biology Core ¹	4 or 3
CHEM 348	4
Social Sciences [SSCI]	3
Electives ²	6
Complete Writing Portfolio	
Third Year	
<i>First Term</i>	<i>Credits</i>
Biology Core ¹	3 or 4
Communication [COMM] or Written Communication [WRTG]	3
Program Option Course ³	3 or 4
Foreign Language or Electives ^{2,4}	4
<u>Electives</u>	<u>1</u>
<i>Second Term</i>	<i>Credits</i>
CHEM 370 or MBIOS 303	3 or 4
Humanities [HUM] ⁵	3
Program Option Course ³	3 or 4
Foreign Language or Electives ^{2,4}	4
Fourth Year	
<i>First Term</i>	<i>Credits</i>
Equity and Justice [EQJS]	3
Program Option Course ³	3 or 4
Electives ²	12
<i>Second Term</i>	<i>Credits</i>
BIOLOGY Capstone [CAPS] [M] or HONORS 450	3
Electives ²	12
Footnotes	
¹ Biology Core (11 credits required): BIOLOGY 301, 370 [M] or 372 [M], and 395 or 403 or 405. <u>BioCore (10 credits required): BIOLOGY 301, one of 370 [M] or 372 [M], and one of 305, 395, 403, or 405.</u>	
² Students should consult with their advisor for additional courses in Physics or Statistics that may be required for entrance to a graduate or professional program. <u>Must include sufficient 300-400-level courses to meet University Requirement of 40 credits of Upper Division coursework.</u>	

	<p>³ Program Option Courses (9 credits minimum required): Approved courses are BIOLOGY 251, 315, 321, 324, 333 350, 352, 353, 354, 393, 418; MBIOS 304, 305, 306, 401, 405, 413, 414, 423, 440, 442, 446; NEUROSCI 301, 403, 404, 430; PSYCH 372. Students should consult with their advisor as some professional schools require junior-level physiology or higher.</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>⁵ PHIL 365 [HUM] may be required for admission to some graduate and professional programs.</p>											
<p>Biological Sciences Revise requirements for BS in Biology - Ecology and Evolutionary Biology Option</p>	<p>Biology – Ecology and Evolutionary Biology (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 a 2.0 cumulative GPA at the college level.</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<u>18</u> semester credits of core BIOLOGY (BioCore) courses (BIOLOGY 106, 107, 301, 370 [M] or 372 [M], and <u>305 or 395 or 403 or 405</u>). An additional 21 semester credits of biological sciences coursework that includes eight credits of program options listed below is required and should be selected in consultation with your biology advisor. The 21 semester credits must include 15 upper division credits, six of which must be BIOLOGY courses taken in residence at WSU. Coursework must include two <u>one additional</u> BIOLOGY writing in the major courses (identified by [M] in the course listings) <u>or ENGLISH 402 [M]</u>, and one BIOLOGY Capstone course (identified by the [CAPS] in the course listings). An overall <u>cumulative</u> 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, General Studies Biological Sciences, or Human Biology.</p> <p>First Year</p> <table data-bbox="380 1596 1393 1827"> <thead> <tr> <th><i>First Term</i></th> <th><i>Credits</i></th> </tr> </thead> <tbody> <tr> <td>BIOLOGY 106 [BSCI] or 107 [BSCI][†]</td> <td>4</td> </tr> <tr> <td>CHEM 105 [PSCI]</td> <td>4</td> </tr> <tr> <td>Diversity [DIVR]</td> <td>3</td> </tr> <tr> <td>ENGLISH 101 [WRTG]</td> <td>3</td> </tr> </tbody> </table> <p>Second Term <i>Credits</i></p>	<i>First Term</i>	<i>Credits</i>	BIOLOGY 106 [BSCI] or 107 [BSCI] [†]	4	CHEM 105 [PSCI]	4	Diversity [DIVR]	3	ENGLISH 101 [WRTG]	3	<p>8-25</p>
<i>First Term</i>	<i>Credits</i>											
BIOLOGY 106 [BSCI] or 107 [BSCI] [†]	4											
CHEM 105 [PSCI]	4											
Diversity [DIVR]	3											
ENGLISH 101 [WRTG]	3											

BIOLOGY 106 or 107 ⁺	4
CHEM 106	4
HISTORY 105 [ROOT]	3
MATH 140 [QUAN] or 171 [QUAN]	4
Second Year	
<i>First Term</i>	<i>Credits</i>
<u>BioCore</u> ¹	<u>3 or 4</u>
BIOLOGY 301 ⁺	4
CHEM 345	4
Humanities [HUM]	3
Social Sciences [SSCI]	3
<i>Second Term</i>	<i>Credits</i>
Arts [ARTS]	3
<u>BioCore</u> ¹	<u>3 or 4</u>
BIOLOGY 395, 403, or 405 ⁺	3
Program Option Course: Ecology or Evolution Emphasis ²	3 or 4
STAT 212, 412, or PSYCH 311	3 or 4
Electives	<u>3 or 4</u>
Complete Writing Portfolio	
Third Year	
<i>First Term</i>	<i>Credits</i>
<u>BioCore</u> ¹	<u>4 or 3</u>
BIOLOGY 370 [M] or 372 [M] ⁺	4
PHYSICS 101 or 201	3
PHYSICS 111 or 211	1
Program Option Course: Physiology Emphasis ²	3 or 4
Foreign Language or Electives ³	4
<i>Second Term</i>	<i>Credits</i>
Communication [COMM] or Written Communication [WRTG]	3
PHYSICS 102 or 202	3
PHYSICS 112 or 212	1
Program Option Course, Ecology or Evolution Emphasis ²	3 or 4
Foreign Language or Electives ³	4
Electives	3
Fourth Year	
<i>First Term</i>	<i>Credits</i>

	<p>BIOLOGY 473 [CAPS] [M], 483 [CAPS] [M], or 489 [CAPS] [M]⁴ 3</p> <p><u>BIOLOGY Capstone [CAPS] [M]</u> 3</p> <p>Program Option Course: Ecology or Evolution Emphasis^{2,54} 3 or 4</p> <p>Electives 910</p> <p>Second Term Credits</p> <p>Equity and Justice [EQJS] 3</p> <p>Program Option Course: Ecology or Evolution Emphasis, or Electives^{2,54} 3</p> <p>Electives 9</p> <p>Complete School of Biological Sciences Exit Survey</p> <hr/> <p>Footnotes</p> <p>¹ All biology majors must complete 19 credits of Biology Core courses (BIOLOGY 106; 107; 301; 370 [M] or 372 [M]; one from 395, 403, or 405); and 21 credits of option requirements or electives. These must include 15 upper division credits, 6 of which must be a BIOLOGY prefix taken in residence at WSU. Approved courses include 200-400 level BIOLOGY courses except those used to fulfill core requirements. A maximum of 4 credits of coursework graded S/F may be used toward fulfilling departmental requirements or program options and must be approved by advisor. Coursework must include a total of two BIOLOGY [M] courses and sufficient 300-400 level coursework to meet the University requirement of 40 upper division credits. <u>BioCore (10 credits required): BIOLOGY 301, one of 370 [M] or 372 [M], and one of 305, 395, 403, or 405.</u></p> <p>² Ecology and Evolution Option requirements include one course from the Physiology Emphasis area (BIOLOGY 350 or BIOLOGY 420); 12 total credits from the Ecology Emphasis (BIOLOGY 330, 410, 462, 469, 483 [CAPS]) and the Evolution/Organismal Emphasis (BIOLOGY 322, 324, 332, 335, 408 [CAPS], 409, 412, 418, 423, 428, 432, 438). At least one course must be from the Ecology Emphasis and one course from the Evolution/Organismal Emphasis.</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>⁴ Students in Honors College complete HONORS 450 in lieu of a BIOLOGY [CAPS] course.</p> <p>⁵⁴ 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.</p>	
<p>Biological Sciences Revise requirements for BS in Biology - Education Option</p>	<p>Biology – Education 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 a 2.0 cumulative GPA at the college level.</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-</p>	<p>8-25</p>

level foreign language. Bachelor of Science degree options in Biology and Zoology require a minimum of ~~19~~18 semester credits of core BIOLOGY (BioCore) courses (BIOLOGY 106, 107, 301, 370 [M] or 372 [M], and 305 or 395 or 403 or 405). An additional 21 semester credits of biological sciences coursework that includes eight credits of program options listed below is required and should be selected in consultation with your biology advisor. The 21 semester credits must include 15 upper division credits, six of which must be BIOLOGY courses taken in residence at WSU. Coursework must include ~~two~~ one additional BIOLOGY writing in the major courses (identified by [M] in the course listings) or ENGLISH 402 [M], and one BIOLOGY Capstone course (identified by the [CAPS] in the course listings). ~~An overall~~ cumulative 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, General Studies Biological Sciences, or Human Biology. Students completing this degree will earn a B.S. in Biology. In order to obtain teaching credentials in the State of Washington, students must complete additional requirements. Completion of the Master in Teaching (MIT) program at WSU will meet state certification requirements (for details, please see <https://education.wsu.edu/graduate/mit/>). A 3.0 is the minimum GPA for admission to the MIT program at WSU. Students obtaining Biology Education Option would also be competitive for other post-baccalaureate teacher certification programs.

First Year

<i>First Term</i>	<i>Credits</i>
Arts [ARTS]	3
BIOLOGY 106 [BSCI]	4
CHEM 105 [PSCI] [†]	4
HISTORY 105 [ROOT]	3

<i>Second Term</i>	<i>Credits</i>
BIOLOGY 107	4
CHEM 106	4
ENGLISH 101 [WRTG]	3
ENGR 120	2
Humanities [HUM]	3

Second Year

<i>First Term</i>	<i>Credits</i>
<u>BioCore</u> ¹	<u>3 or 4</u>
BIOLOGY 301	4

CHEM 345	4
Diversity [DIVR]	3
TCH LRN 301	3
Foreign Language, if needed ² or Electives	0 - 4
<i>Second Term</i>	<i>Credits</i>
<u>BioCore</u> ¹	<u>3 or 4</u>
CHEM 370 or MBIOS 303	3 or 4
Communication [COMM] or Written Communication [WRTG]	3
MATH 140 [QUAN] or 171 [QUAN] ⁴	4
PSYCH 105 [SSCI]	3
Foreign Language ² , if needed , or Electives ²	3 or 4
Complete Writing Portfolio	
Third Year	
<i>First Term</i>	<i>Credits</i>
<u>BioCore</u> ¹	<u>4 or 3</u>
BIOLOGY 370 [M] or 372 [M]	4
Equity and Justice [EQJS]	3
PHYSICS 101 or 201	3
PHYSICS 111 or 211	1
Program Electives ³	<u>3 or 4</u>
<i>Second Term</i>	<i>Credits</i>
PHYSICS 102 or 202	3
PHYSICS 112 or 212	1
TCH LRN 465	3
Program Option Requirements ⁴ <u>Course</u> ³	3 or 4
Program Electives ³	4 <u>6</u>
Fourth Year	
<i>First Term</i>	<i>Credits</i>
BIOLOGY/TCH LRN 430	3
STAT 212, 412, or PSYCH 311	3 or 4
TCH LRN 467 [M]	3
TCH LRN 470	3
Program Electives ³	4
<i>Second Term</i>	<i>Credits</i>
BIOLOGY <u>Capstone</u> [CAPS][M] or HONORS 450 ⁵	3
BIOLOGY 403 or 405	3
BIOLOGY/TCH LRN 431	3

	<p><u>PSYCH 105 [SSCI]</u> <u>3</u></p> <p>Program Option Requirements <u>Course</u>⁴³ 3 or 4</p> <p>Program Electives or Electives³ 3 <u>or 4</u></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. BioCore (10 credits required): BIOLOGY 301, one of 370 [M] or 372 [M], and one of 305, 395, 403, or 405.</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>³ Beyond the core requirements (BIOLOGY 106, 107, 301, 370 [M] or 372 [M], one from 395, 403, or 405, BIOLOGY [CAPS] or HONORS 450), all biology majors must complete 21 semester credits of biological coursework including 15 upper-division credits, 6 of which must be a BIOLOGY prefix taken in residence at WSU. Approved courses include 200-400 level BIOLOGY courses except those used to fulfill core requirements, and any courses approved by advisor. A maximum of 4 credits of coursework graded S/F may be used toward fulfilling departmental requirements or program options and must be approved by advisor.</p> <p>⁴³ Program Option Requirements include one Biology Plant Elective <u>course</u> (BIOLOGY 332[M], 401[CAPS], 409, or 420) and one Biology Animal Elective <u>course</u> (BIOLOGY 322[M], 324, 423, 428, 432[M], or 438[M]). To obtain an additional general science endorsement students need to pass a general science exam (e.g., Chemistry, Physics, Biology, Earth and Space science). Students may consider taking one or more of the following courses to prepare them for general science endorsement exam: ASTRONOM 135, GEOLOGY-SOE 102, 210.</p> <p>⁵ Students in Honors College complete HONORS 450 in lieu of a BIOLOGY [CAPS] course.</p>	
<p>Biological Sciences Revise requirements for BS 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 a 2.0 cumulative GPA at the college level.</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<u>18</u> semester credits of core BIOLOGY (<u>BioCore</u>) courses (BIOLOGY 106, 107, 301, 370 [M] or 372 [M], and <u>305 or 395 or 403 or 405</u>). An additional 21 semester credits of biological sciences coursework that includes eight credits of program options listed below is required and should be selected in consultation with your biology advisor. The 21 semester credits must include 15 upper division credits, six of which must be BIOLOGY courses taken in residence at WSU. Coursework must include two <u>one additional</u> BIOLOGY writing in the major courses (identified</p>	<p>8-25</p>

by [M] in the course listings) or ENGLISH 402 [M], and one BIOLOGY Capstone course (identified by the [CAPS] in the course listings). An overall cumulative 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, General Studies Biological Sciences, or Human Biology.

First Year

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

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

Second Year

<i>First Term</i>	<i>Credits</i>
Arts [ARTS]	3
<u>BioCore</u> ¹	<u>3 or 4</u>
BIOLOGY 301 ⁺	4
CHEM 345	4
ENTOM 343	3

<i>Second Term</i>	<i>Credits</i>
<u>BioCore</u> ¹	<u>4 or 3</u>
BIOLOGY 395, 403, or 405 ⁺	3
Humanities [HUM]	3
Social Sciences [SSCI]	3
STAT 212, 412, or PSYCH 311	3 or 4
Program Option Course: Biochemistry Emphasis ^{2,3}	3 or 4
Complete Writing Portfolio	

Third Year

<i>First Term</i>	<i>Credits</i>
<u>BioCore</u> ¹	<u>3 or 4</u>

	<p>BIOLOGY 370 [M] or 372 [M]¹ 4</p> <p>PHYSICS 101 or 201 3</p> <p>PHYSICS 111 or 211 1</p> <p>Program Option Course: Animal Biology Emphasis³² 4</p> <p>Foreign Language³ or Electives⁴ 4</p> <p>Second Term Credits</p> <p>Equity and Justice [EQJS] 3</p> <p>PHYSICS 102 or 202 3</p> <p>PHYSICS 112 or 212 1</p> <p>Program Option Course: Plant Biology Emphasis³² 3</p> <p>Foreign Language³ or Electives⁴ 64</p> <p>Fourth Year</p> <p>First Term Credits</p> <p>BIOLOGY 473 [CAPS] [M], 483 [CAPS] [M], or 489 [CAPS] [M]⁵ 3</p> <p><u>BIOLOGY Capstone [CAPS] [M]</u> 3</p> <p>Communication [COMM] or Written Communication [WRTG] 3</p> <p>Program Option Course: Entomology Emphasis³² 3</p> <p>Electives 68</p> <p>Second Term Credits</p> <p>Program Option Course: Entomology Emphasis³² 3</p> <p>Electives 1213</p> <p>Complete School of Biological Sciences Exit Survey</p>	
	<p>Footnotes</p> <p>¹ All biology majors must complete 19 credits of Biology Core courses (BIOLOGY 106; 107; 301; 370 [M] or 372 [M]; one from 395, 403, or 405); and 21 credits of option requirements or electives. These must include 15 upper division credits, 6 of which must be a BIOLOGY prefix taken in residence at WSU. Approved courses include 200-400 level BIOLOGY courses except those used to fulfill core requirements. A maximum of 4 credits of coursework graded S/F may be used toward fulfilling departmental requirements or program options and must be approved by advisor. Coursework must include a total of two BIOLOGY [M] courses and sufficient 300-400 level coursework to meet the University requirement of 40 upper division credits. <u>BioCore (10 credits required): BIOLOGY 301, one of 370 [M] or 372 [M], and one of 305, 395, 403, or 405.</u></p> <p>² Entomology Program option electives include 6 credits of 300-400 level ENTOM courses excluding ENTOM 343.</p> <p>³² Entomology Option Requirements include one course from the Biochemistry Emphasis (CHEM 370 or MBIOS 303); one course from the Plant Biology Emphasis area (BIOLOGY 332[M] or 420); one course from the Animal Biology Emphasis area (BIOLOGY 322, 350, or 418) and <u>two courses six credits</u> from the Entomology Emphasis (any ENTOM-prefix, upper division <u>300-400-level courses, excluding ENTOM 343</u>).</p> <p>⁴³ 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>⁵ Students in Honors College complete HONORS 450 in lieu of a BIOLOGY [CAPS] course.</p>	
Biological Sciences Revise requirements	Biology – General Option (120 Credits)	8-25

for BS in Biology -
General Option

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 a 2.0 cumulative GPA at the college level.

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~~18 semester credits of core BIOLOGY (BioCore) courses (BIOLOGY 106, 107, 301, 370 [M] or 372 [M], and 305 or 395 or 403 or 405). An additional 21 semester credits of biological sciences coursework that includes eight credits of program options listed below is required and should be selected in consultation with your biology advisor. The 21 semester credits must include 15 upper division credits, six of which must be BIOLOGY courses taken in residence at WSU. Coursework must include ~~two~~ one additional BIOLOGY writing in the major courses (identified by [M] in the course listings) or ENGLISH 402 [M], and one BIOLOGY Capstone course (identified by the [CAPS] in the course listings). ~~An overall~~ cumulative 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, General Studies Biological Sciences, or Human Biology.

First Year

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

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

Second Year

<i>First Term</i>	<i>Credits</i>
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Arts [ARTS]	3
<u>BioCore</u> ¹	<u>3 or 4</u>
BIOLOGY 301 ¹	4
CHEM 345	4
Humanities [HUM]	3
<i>Second Term</i>	<i>Credits</i>
<u>BioCore</u> ¹	<u>4 or 3</u>
BIOLOGY 370 [M] or 372 [M] ¹	4
Program Option Course: Biochemistry Emphasis ²	3 or 4
Social Sciences [SSCI]	3
STAT 212, 412, or PSYCH 311	3 or 4
Electives ³	<u>3 or 4</u>
Complete Writing Portfolio	
Third Year	
<i>First Term</i>	<i>Credits</i>
<u>BioCore</u> ¹	<u>3 or 4</u>
BIOLOGY 395, 403, or 405 ¹	3
Communication [COMM] or Written Communication [WRTG]	3
PHYSICS 101 or 201	3
PHYSICS 111 or 211	1
Program Option Courses: Cell Biology Emphasis ²	3
Foreign Language ⁴ or Electives ³	<u>3 or 4</u>
<i>Second Term</i>	<i>Credits</i>
Equity and Justice [EQJS]	3
PHYSICS 102 or 202	3
PHYSICS 112 or 212	1
Program Option <u>Course</u> ² or Electives ³	3 or 4
Foreign Language ⁴ or Electives ³	4
Fourth Year	
<i>First Term</i>	<i>Credits</i>
BIOLOGY 473 [CAPS] [M], 483 [CAPS] [M], or 489 [CAPS] [M] ⁴	3
Program Option or Electives ⁵³	6 - 8
Electives ³	<u>68</u>
<i>Second Term</i>	<i>Credits</i>
Program Option <u>Course</u> ² or Electives ⁵³	6 - 8
Electives ³	9
Complete School of Biological Sciences Exit Survey	

	<p>Footnotes</p> <p>¹ All biology majors must complete 19 credits of Biology Core courses (BIOLOGY 106; 107; 301; 370 [M] or 372 [M]; one from 395, 403, or 405); and 21 credits of option requirements or electives. These must include 15 upper division credits, 6 of which must be a BIOLOGY prefix taken in residence at WSU. Approved courses include 200-400 level BIOLOGY courses except those used to fulfill core requirements. A maximum of 4 credits of coursework graded S/F may be used toward fulfilling departmental requirements or program options and must be approved by advisor. Coursework must include a total of two BIOLOGY [M] courses and sufficient 300-400 level coursework to meet the University requirement of 40 upper division credits. <u>BioCore (10 credits required): BIOLOGY 301, one of 370 [M] or 372 [M], and one of 305, 395, 403, or 405.</u></p> <p>² 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).</p> <p>³ <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>^{3a} 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>⁴ Students in Honors College complete HONORS 450 in lieu of a BIOLOGY [CAPS] course.</p> <p>⁵ 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.</p>	
<p>Biological Sciences Revise requirements for BS 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 a 2.0 cumulative GPA at the college level.</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<u>18</u> semester credits of core BIOLOGY (<u>BioCore</u>) courses (BIOLOGY 106, 107, 301, 370 [M] or 372 [M], and <u>305 or 395 or 403 or 405</u>). An additional 21 semester credits of biological sciences coursework that includes eight credits of program options listed below is required and should be selected in consultation with your biology advisor. The 21 semester credits must include 15 upper division credits, six of which must be BIOLOGY courses taken in residence at WSU. Coursework must include two <u>one additional</u> BIOLOGY writing in the major courses (identified by [M] in the course listings) <u>or ENGLISH 402 [M]</u>, and one BIOLOGY Capstone course (identified by the [CAPS] in the course listings). An overall <u>cumulative</u> 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.</p>	<p>8-25</p>

Students may not double major or take a minor in any combination of Biology, Zoology, General Studies Biological Sciences, or Human Biology.

First Year

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

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

Second Year

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

<i>Second Term</i>	<i>Credits</i>
<u>BioCore</u> ¹	<u>4 or 3</u>
BIOLOGY 370 [M] or 372 [M] ⁺	4
Social Sciences [SSCI]	3
STAT 212, 412, or PSYCH 311	3 or 4
Electives ²	4 <u>6</u>
Complete Writing Portfolio	

Third Year

<i>First Term</i>	<i>Credits</i>
<u>BioCore</u> ¹	<u>3 or 4</u>
BIOLOGY 395, 403, or 405 ⁺	3
BIOLOGY 420	3
Communication [COMM] or Written Communication [WRTG]	3
PHYSICS 101 or 201	3
PHYSICS 111 or 211	1
<u>Program Option Course</u> ³	<u>3</u>
Foreign Language ⁴ or Electives ²	4

	<p><i>Second Term</i></p> <p>BIOLOGY 332 [M] 4</p> <p>Equity and Justice [EQJS] 3</p> <p>PHYSICS 102 or 202 3</p> <p>PHYSICS 112 or 212 1</p> <p><u>Program Option Course</u>³ 3</p> <p>Foreign Language⁴ or Electives² 4</p> <p>Fourth Year</p> <p><i>First Term</i></p> <p>BIOLOGY 409 4</p> <p>BIOLOGY 473 [CAPS] [M], 483 [CAPS] [M], or 489 [CAPS] [M]^{1,3} 3</p> <p>BIOLOGY Capstone [CAPS] [M] 3</p> <p>Program Option Courses or Electives⁴² 34</p> <p>Electives² 69</p> <p><i>Second Term</i></p> <p>BIOLOGY 462 or 469 3</p> <p><u>Program Option Course</u>³ 4</p> <p>Program Option or Electives⁴² 43</p> <p>Electives 8</p> <p>Complete School of Biological Sciences Exit Survey</p>	<i>Credits</i>
	<p>Footnotes</p> <p>¹ All biology majors must complete 19 credits of Biology Core courses (BIOLOGY 106; 107; 301; 370 [M] or 372 [M]; one from 395, 403, or 405); and 21 credits of option requirements or electives. These must include 15 upper division credits, 6 of which must be a BIOLOGY prefix taken in residence at WSU. Approved courses include 200-400 level BIOLOGY courses except those used to fulfill core requirements. A maximum of 4 credits of coursework graded S/F may be used toward fulfilling departmental requirements or program options and must be approved by advisor. Coursework must include a total of two BIOLOGY [M] courses and sufficient 300-400 level coursework to meet the University requirement of 40 upper division credits. BioCore (10 credits required): BIOLOGY 301, one of 370 [M] or 372 [M], and one of 305, 395, 403, or 405.</p> <p>⁴² Plant Biology Option Electives include a minimum of 7 <u>seven</u> 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.</p> <p>³ <u>Program Option Courses</u> are BIOLOGY 332[M], BIOLOGY 409, BIOLOGY 420, and BIOLOGY 462 or BIOLOGY 469.</p> <p>²⁴ 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>³ Students in Honors College complete HONORS 450 in lieu of a BIOLOGY [CAPS] course.</p> <p>⁴ 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.</p>	
Biological Sciences Revise requirements for BS in Biology -	Biology – Pre-Physical Therapy / Pre-Occupational Therapy / Pre-Physician Assistant Option (120 Credits)	8-25

Pre-Physical Therapy / Pre-Occupational Therapy / Pre-Physician Assistant Option	<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 a 2.0 cumulative GPA at the college level.</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<u>18</u> semester credits of core BIOLOGY (<u>BioCore</u>) courses (BIOLOGY 106, 107, 301, 370 [M] or 372 [M], and <u>305 or 395 or 403 or 405</u>). An additional 21 semester credits of biological sciences coursework that includes eight credits of program options listed below is required and should be selected in consultation with your biology advisor. The 21 semester credits must include 15 upper division credits, six of which must be BIOLOGY courses taken in residence at WSU. Coursework must include two <u>one additional</u> BIOLOGY writing in the major courses (identified by [M] in the course listings) <u>or ENGLISH 402 [M]</u>, and one BIOLOGY Capstone course (identified by the [CAPS] in the course listings). An overall <u>cumulative</u> 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, General Studies Biological Sciences, or Human Biology.</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>BIOLOGY 106 [BSCI]</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>ENGLISH 101 [WRTG]</td> <td style="text-align: right;">3</td> </tr> <tr> <td>SOC 101 [SSCI]</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 107</td> <td style="text-align: right;">4</td> </tr> <tr> <td>CHEM 106</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 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><i>First Term</i></td> <td style="text-align: right;"><i>Credits</i></td> </tr> </tbody> </table>	<i>First Term</i>	<i>Credits</i>	BIOLOGY 106 [BSCI]	4	CHEM 105 [PSCI] [†]	4	ENGLISH 101 [WRTG]	3	SOC 101 [SSCI]	3	 		<i>Second Term</i>	<i>Credits</i>	BIOLOGY 107	4	CHEM 106	4	HISTORY 105 [ROOT]	3	MATH 140 [QUAN] or 171 [QUAN] [†]	4	 		Second Year		<i>First Term</i>	<i>Credits</i>
<i>First Term</i>	<i>Credits</i>																												
BIOLOGY 106 [BSCI]	4																												
CHEM 105 [PSCI] [†]	4																												
ENGLISH 101 [WRTG]	3																												
SOC 101 [SSCI]	3																												
<i>Second Term</i>	<i>Credits</i>																												
BIOLOGY 107	4																												
CHEM 106	4																												
HISTORY 105 [ROOT]	3																												
MATH 140 [QUAN] or 171 [QUAN] [†]	4																												
Second Year																													
<i>First Term</i>	<i>Credits</i>																												

ANTH 203 [DIVR] or Diversity [DIVR] ²	3
BIOLOGY 251 or 353	4
CHEM 345	4
<u>Program Option Course</u> ^{1,2,3,4}	<u>3</u>
PSYCH 105	3
<i>Second Term</i>	<i>Credits</i>
BIOLOGY 301	4
<u>BioCore</u> ⁵	<u>3 or 4</u>
PHIL 365 [HUM]	3
PHYSICS 101 or 201	3
PHYSICS 111 or 211	1
STAT 212, 412, or PSYCH 311	3 or 4
Complete Writing Portfolio	
Third Year	
<i>First Term</i>	<i>Credits</i>
BIOLOGY 315 or 354	4
BIOLOGY 393 [M], 490 [M], or BIOLOGY [M] ^{2,3,4}	2-4
Foreign Language ⁶ , if needed, or <u>Program Emphasis Requirements</u> <u>Option Course</u> ^{1,2,3,4,5}	3 or 4
PHYSICS 102 or 202	3
PHYSICS 112 or 212	1
<u>Program Option Course</u> ^{1,2,3,4}	<u>2 or 4</u>
PSYCH 333	3
<i>Second Term</i>	<i>Credits</i>
Arts [ARTS]	3
<u>BioCore</u> ⁵	<u>3 or 4</u>
BIOLOGY 370 [M] 372 [M]	4
HD 101 or PSYCH 361 ^{2,3,4}	3
<u>Program Option Course</u> ^{1,2,3,4}	<u>3</u>
Foreign Language ⁶ , if needed, or Electives ^{5,6}	<u>68</u>
Fourth Year	
<i>First Term</i>	<i>Credits</i>
ENGLISH 402 [WRTG]	3
Equity and Justice [EQJS]	3
<u>Program Emphasis Requirements or Electives</u> ^{2,3,4,6}	<u>9</u>
<u>Program Option Course</u> ^{1,2,3,4} or Electives	<u>9</u>
<i>Second Term</i>	<i>Credits</i>

	<p>BIOLOGY <u>Capstone [CAPS] [M] or HONORS 450⁷</u> 3</p> <p><u>BioCore⁵</u> 3</p> <p>BIOLOGY 395, 403, or 405 3</p> <p><u>Diversity [DIVR]</u> 3</p> <p>Program Emphasis Requirements or Electives^{2,3,4,6} 10</p> <p>Program Option Course^{1,2,3,4} or Electives 7</p> <p>Complete School of Biological Sciences Exit Survey</p> <p>Footnotes</p> <p>[†] 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>¹ <u>Pre-Physical Therapy / Pre-Occupational Therapy / Pre-Physician Assistant Program emphasis courses should be selected in consultation with a biology advisor and include coursework to fulfill the University requirement of 40 upper division credits. Approved program electives include CHEM 370, KINES 380, MBIOS 303, 304, 305, 306, PHIL 365, and 200-400-level BIOLOGY courses except those used to fulfill core requirements, and any courses approved by advisor.</u></p> <p>² Pre-Occupational Therapy Program emphasis (13 credits) includes ANTH 203, BIOLOGY 220, BIOLOGY 393 [M], COM 102, H D 101.</p> <p>³ Pre-Physical Therapy Program emphasis (8-9 credits) includes BIOLOGY 393 [M] or 490 [M], KINES 380 or BIOLOGY 350 or BIOLOGY 352, PSYCH 361 or H D 101.</p> <p>⁴ Pre-Physician Assistant Program emphasis (14-15 credits) includes CHEM 370 or MBIOS 303, MBIOS 304 or 306, MBIOS 305, PSYCH 361 or H D 101. <u>Students in this emphasis will also need to complete a BIOLOGY [M] course to fulfill the University requirement of 2 [M] courses.</u></p> <p>⁵ <u>BioCore (10 credits required): BIOLOGY 301, one of 370 [M] or 372 [M], and one of 305, 395, 403, or 405.</u></p> <p>⁵⁶ 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>⁶ <u>Pre-Physical Therapy / Pre-Occupational Therapy / Pre-Physician Assistant Program emphasis courses should be selected in consultation with a biology advisor and include coursework to fulfill the University requirement of 40 upper division credits. In addition to core biology courses (BIOLOGY 106, 107, 301, 370 [M] or 372 [M], one from 395, 403, or 405, BIOLOGY [CAPS] or HONORS 450), all biology majors must complete 21 semester credits of biological coursework including 15 upper division credits, 6 of which must be a BIOLOGY prefix taken in residence at WSU. Approved program electives include CHEM 370, KINES 380, MBIOS 303, 304, 305, 306, PHIL 365, and 200-400 level BIOLOGY courses except those used to fulfill core requirements, and any courses approved by advisor. A maximum of 4 credits of coursework graded S/F may be used toward fulfilling departmental requirements.</u></p> <p>⁷ Students in Honors College complete HONORS 450 in lieu of a BIOLOGY [CAPS] course.</p>	
<p>Biological Sciences Revise requirements for BS in Zoology - Accelerated Pre-Veterinary Option</p>	<p>Zoology - Accelerated Pre-Veterinary Option (121 Credits)</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 requirements. The math and science components of those requirements are</p>	<p>8-25</p>

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~~ 18 semester credits of core BIOLOGY (BioCore) courses (BIOLOGY 106, 107, 301, 370 [M] or 372 [M], and 305 or 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) or ENGLISH 402 [M], and one BIOLOGY Capstone course (identified by the [CAPS] in the course listings). VET MED credits fulfill other Program Option electives requirements. An ~~overall~~ cumulative 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, 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>
BIOLOGY 106 [BSCI] or 107 [BSCI] ⁺	4
CHEM 105 [PSCI]	4
Diversity [DIVR]	3
ENGLISH 101 [WRTG]	3

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

Second Year

<i>First Term</i>	<i>Credits</i>
Arts [ARTS]	3
<u>BioCore</u> ¹	<u>3 or 4</u>
BIOLOGY 301 ⁺	4
CHEM 345	4

STAT 212, 412, or PSYCH 311	3 or 4
<i>Second Term</i>	<i>Credits</i>
<u>BioCore</u> ¹	<u>3 or 4</u>
BIOLOGY 395, 403, or 405 ¹	3
CHEM 370 or MBIOS 303	3 or 4
Communication [COMM] or Written Communication [WRTG]	3
PHYSICS 101 or 201	3
PHYSICS 111 or 211	1
Complete Writing Portfolio	
Third Year	
<i>First Term</i>	<i>Credits</i>
BIOLOGY 321 [M] or BIOLOGY 322 [M] ^{1,2}	4
<u>Humanities [HUM]</u>	<u>3</u>
PHYSICS 102 or 202	3
PHYSICS 112 or 212	1
Program Option Course: Development Emphasis; or Humanities [HUM] ²	3 or 4
Social Sciences [SSCI]	3
Foreign Language or Elective ³	<u>4</u>
<i>Second Term</i>	<i>Credits</i>
BIOLOGY 473 [CAPS] [M], 483 [CAPS] [M], or 489 [CAPS] [M] ⁴	3
<u>BioCore</u> ¹	<u>3</u>
<u>BIOLOGY Capstone [CAPS] [M]</u>	<u>3</u>
Equity and Justice [EQJS]	3
Program Option Course: Development Emphasis; or Humanities [HUM] ²	4 or 3
Foreign Language or Elective ³	<u>3</u>
Fourth Year	
<i>First Term</i>	<i>Credits</i>
VET MED 510	4
VET MED 511 ^{5,4}	5
VET MED 513	4
VET MED 568	2
VET MED 586	1
<i>Second Term</i>	<i>Credits</i>
VET MED 512	4
VET MED 520 ^{5,4}	5

	<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 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>BioCore (10 credits required): BIOLOGY 301, one of 370 [M] or 372 [M], and one of 305, 395, 403, or 405.</u></p> <p>² Accelerated Pre-Vet Option Requirements include one course from the Development Emphasis area (BIOLOGY 321 or 322).</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>⁴ Students in Honors College complete HONORS 450 in lieu of a BIOLOGY [CAPS] course.</p> <p>⁵ Accelerated Pre-Vet Option requirements fulfill Anatomy option requirement (VET MED 511) and Physiology option requirement (VET MED 520) toward the Zoology degree.</p>	
<p>Biological Sciences Revise requirements for BS in Zoology - General Option</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 2.0 cumulative GPA at the college level.</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 <u>18</u> semester credits of core BIOLOGY (BioCore) courses (BIOLOGY 106, 107, 301, 370 [M] or 372 [M], and <u>305 or 395 or 403 or 405</u>). 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) or ENGLISH 402 [M], and one BIOLOGY Capstone course (identified by the [CAPS] in the course listings). VET MED credits fulfill other Program Option electives requirements. An overall <u>overall cumulative</u> 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</p>	<p>8-25</p>

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, General Studies Biological Sciences, or Human Biology.

First Year

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

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

Second Year

<i>First Term</i>	<i>Credits</i>
<u>BioCore</u> ¹	<u>3 or 4</u>
BIOLOGY 301 ⁺	4
CHEM 345	4
Humanities [HUM]	3
STAT 212, 412, or PSYCH 311	3 or 4

<i>Second Term</i>	<i>Credits</i>
Arts [ARTS]	3
<u>BioCore</u> ¹	<u>4 or 3</u>
BIOLOGY 370 [M] or 372 [M] ⁺	4
Program Option Course: Anatomy/Invertebrate Biology Emphasis ²	4
Social Sciences [SSCI]	3
Complete Writing Portfolio	

Third Year

<i>First Term</i>	<i>Credits</i>
<u>BioCore</u> ¹	<u>3 or 4</u>
BIOLOGY 395, 403, or 405 ⁺	3
Communication [COMM] or Written Communication [WRTG]	3
PHYSICS 101 or 201	3
PHYSICS 111 or 211	1

	<p>Program Option Course: Physiology Emphasis² 4</p> <p>Second Term Credits</p> <p>Equity and Justice [EQJS] 3</p> <p>PHYSICS 102 or 202 3</p> <p>PHYSICS 112 or 212 1</p> <p>Program Option Course: Anatomy/Invertebrate Biology Emphasis² 4</p> <p>Electives 6</p> <p>Fourth Year</p> <p>First Term Credits</p> <p>BIOLOGY 473 [CAPS] [M], 483 [CAPS] [M], or 489 [CAPS] [M]³ 3</p> <p><u>BIOLOGY Capstone [CAPS] [M]</u> 3</p> <p>Program Option Electives^{4,3} 3 or 4</p> <p>Foreign Language⁴ or Electives^{5,3} 4</p> <p>Electives³ 6</p> <p>Second Term Credits</p> <p>Program Option Electives^{4,3} 6</p> <p>Foreign Language⁴ or Electives^{5,3} 4</p> <p>Electives³ <u>6</u></p> <p>Complete School of Biological Sciences Exit Survey</p> <hr/> <p>Footnotes</p> <p>¹ All zoology majors must complete 19 credits of Biology Core courses (BIOLOGY 106; 107; 301; 370 [M] or 372 [M]; one from 395, 403, or 405); and 21 credits of option requirements or electives. These must include 15 upper division credits, 6 of which must be a BIOLOGY prefix taken in residence at WSU. Approved courses include 200-400 level BIOLOGY courses except those used to fulfill core requirements. A maximum of 4 credits of coursework graded S/F may be used toward fulfilling departmental requirements or program options and must be approved by advisor. Coursework must include a total of two BIOLOGY [M] courses and sufficient 300-400 level coursework to meet the University requirement of 40 upper division credits. <u>BioCore (10 credits required): BIOLOGY 301, one of 370 [M] or 372 [M], and one of 305, 395, 403, or 405.</u></p> <p>² Zoology General Program Option requirements include two courses from the Anatomy/Invertebrate biology emphasis (BIOLOGY 321, 322 or 418428, and 324) and one course from the Physiology emphasis (BIOLOGY 350 or 353).</p> <p>³ Students in Honors College complete HONORS 450 in lieu of a BIOLOGY [CAPS] course.</p> <p>^{4,3} 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.</p> <p>^{5,4} 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>Biological Sciences Revise requirements for BS 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 2.0 cumulative</p>	<p>8-25</p>

GPA at the college level.

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~~ 18 semester credits of core BIOLOGY (BioCore) courses (BIOLOGY 106, 107, 301, 370 [M] or 372 [M], and 305 or 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) or ENGLISH 402 [M], and one BIOLOGY Capstone course (identified by the [CAPS] in the course listings). VET MED credits fulfill other Program Option elective requirements. ~~An overall~~ cumulative 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, General Studies Biological Sciences, or Human Biology.

First Year

First Term

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

Second Term

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

Second Year

First Term

	<i>Credits</i>
Arts [ARTS]	3
CHEM 345	4

PHYSICS 101 or 201	3
PHYSICS 111 or 211	1
Program Option Course: Microbiology/Invertebrate Biology Emphasis ^{2,1}	3 or 4
<i>Second Term</i>	<i>Credits</i>
CHEM 348	4
PHYSICS 102 or 202	3
PHYSICS 112 or 212	1
Social Sciences [SSCI]	3
Electives	5
Complete Writing Portfolio	
Third Year	
<i>First Term</i>	<i>Credits</i>
<u>BioCore</u> ²	<u>3 or 4</u>
BIOLOGY 304 ¹	4
Communication [COMM] or Written Communication [WRTG]	3
MBIOS 303 (recommended) or CHEM 370	4 or 3
Foreign Language ³ or Electives ³	4
<i>Second Term</i>	<i>Credits</i>
PHIL 365 [HUM]	3
Program Option Course: Anatomy/Development Emphasis ²	3 or 4
Program Option Course: Physiology Emphasis ²	3
<u>Program Option Courses</u> ¹	<u>7 or 8</u>
Foreign Language ³ or Electives ³	3 or 4
Electives	<u>3 or 4</u>
Fourth Year	
<i>First Term</i>	<i>Credits</i>
<u>BioCore</u> ²	<u>3 or 4</u>
BIOLOGY 395, 403, or 405 ¹	3
Diversity [DIVR]	3
Program Option Course: Microbiology/Invertebrate Biology Emphasis ^{2,1}	3 or 4
Electives	6
<i>Second Term</i>	<i>Credits</i>
<u>BioCore</u> ²	<u>4 or 3</u>
<u>BIOLOGY Capstone [CAPS] [M]</u>	<u>3</u>
BIOLOGY 370 [M] or 372 [M] ¹	4

	<p>BIOLOGY 473 [CAPS] [M], 483 [CAPS] [M], or 489 [CAPS] [M]⁴ 3 Equity and Justice [EQJS] 3 Program Option Course: Anatomy/Development Emphasis²¹ 3 Electives 3 Complete School of Biological Sciences Exit Survey</p> <hr/> <p>Footnotes</p> <p>¹ <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>¹² <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. BioCore (10 credits required); BIOLOGY 301, one of 370 [M] or 372 [M], and one of 305, 395, 403, or 405.</u></p> <p>² <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 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>⁴ <u>Students in Honors College complete HONORS 450 in lieu of a BIOLOGY [CAPS] course.</u></p>	
<p>Biological Sciences Revise requirements for BS in Zoology - Pre-Veterinary / Animal Care Option</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 in the WSU general catalog. <u>Admission to the major requires 2.0 cumulative GPA at the college level.</u> 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 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 <u>18</u> semester credits of core BIOLOGY (BioCore) courses (BIOLOGY 106, 107, 301, 370 [M] or 372 [M], and <u>305 or 395 or 403 or 405</u>). 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</p>	<p>8-25</p>

BIOLOGY writing in the major course (identified by [M] in the course listings) or ENGLISH 402 [M], and one BIOLOGY Capstone course (identified by the [CAPS] in the course listings). VET MED credits fulfill other Program Option electives requirements. An ~~overall~~ cumulative 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, General Studies Biological Sciences, or Human Biology.

First Year

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

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

Second Year

<i>First Term</i>	<i>Credits</i>
<u>BioCore</u> ¹	<u>3 or 4</u>
BIOLOGY 301 [†]	4
CHEM 345	4
PHYSICS 101 or 201	3
PHYSICS 111 or 211	1
Social Sciences [SSCI]	3

<i>Second Term</i>	<i>Credits</i>
<u>BioCore</u> ¹	<u>3 or 4</u>
BIOLOGY 395, 403, or 405 [†]	3
Humanities [HUM]	3
PHYSICS 102 or 202	3
PHYSICS 112 or 212	1
STAT 212, 412, or PSYCH 311	3 or 4
Complete Writing Portfolio	

Third Year

<i>First Term</i>	<i>Credits</i>
<u>BioCore</u> ¹	<u>4 or 3</u>
BIOLOGY 370 [M] or 372 [M] [†]	4
Communication [COMM] or Written Communication [WRTG]	3
Program Option Course: Anatomy/Development Emphasis ²	4
Program Option Electives ^{3,4}	3

<i>Second Term</i>	<i>Credits</i>
Arts [ARTS]	3
MBIOS 303 (recommended) or CHEM 370	4 or 3
Program Option Course: Anatomy/Development Emphasis ²	4
Program Option Elective ^{3,4}	3
Electives	2

Fourth Year

<i>First Term</i>	<i>Credits</i>
Equity and Justice [EQJS]	3
Program Option Course: Physiology/Cell Biology Emphasis ²	4
Program Option Courses ² or Electives ^{3,4}	3
Foreign Language ⁵ or Electives ⁵	4
Electives	3

<i>Second Term</i>	<i>Credits</i>
BIOLOGY 473 [CAPS] [M], 483 [CAPS] [M], or 489 [CAPS] [M] ⁶	<u>3</u>
<u>BIOLOGY Capstone [CAPS] [M]</u>	<u>3</u>
Program Option <u>Course</u> ² or Electives ^{3,4}	3
Foreign Language ⁵ or Electives ⁵	4
Electives	<u>6</u>
Complete School of Biological Sciences Exit Survey	

Footnotes

¹ All zoology majors must complete 19 credits of Biology Core courses (BIOLOGY 106; 107; 301; 370 [M] or 372 [M]; one from 395, 403, or 405); and 21 credits of option requirements or electives. These must include 15 upper division credits, 6 of which must be a BIOLOGY prefix taken in residence at WSU. Approved courses include 200-400 level BIOLOGY courses except those used to fulfill core requirements. A maximum of 4 credits of coursework graded S/F may be used toward fulfilling departmental requirements or program options and must be approved by advisor. Coursework must include a total of two BIOLOGY [M] courses and sufficient 300-400 level coursework to meet the University requirement of 40 upper division credits. BioCore (10 credits required): BIOLOGY 301, one of 370 [M] or 372 [M], and one of 305, 395, 403, or 405.

² Pre-Vet/Animal Care Zoology Option Requirements include two courses from the Anatomy/Development Biology emphasis (BIOLOGY 315, 321, or 324); one course from the Physiology/Cell Biology emphasis (BIOLOGY 350 or 353).

³ Pre-Vet/Animal Zoology Option Electives include a minimum of 12 credits of Biological Science selected in consultation with a biology advisor. These should include coursework to fulfill the

	<p>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.</p> <p>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> <p>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.</p> <p>⁶ Students in Honors College complete HONORS 450 in lieu of a BIOLOGY [CAPS] course.</p>																																							
<p>Criminal Justice and Criminology Revise requirements for BA in Criminal Justice and Criminology</p>	<p>Criminal Justice and Criminology (120 Credits)</p> <p>A student may be admitted to the Criminal Justice and Criminology major upon completing CRM J 101 and earning a minimum WSU cumulative GPA of 2.0 or better.</p> <p>Students who major in criminal justice and criminology must complete the 18 credits criminal justice core (CRM J 101, 201, 311, 320, 321, and 480) and 12 credits in criminal justice electives of which <u>2</u> courses must be an [M]. <u>The Bachelor of Arts in Criminal Justice and Criminology requires a minimum of 30 credits in CRM J.</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>CRM J 101 [SSCI]</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>Quantitative Reasoning [QUAN]</td> <td style="text-align: right;">3</td> </tr> <tr> <td>Electives</td> <td style="text-align: right;">6</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>Arts [ARTS]</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>CRM J 201</td> <td style="text-align: right;">3</td> </tr> <tr> <td>Diversity [DIVR] or CRM J 205 [DIVR]</td> <td style="text-align: right;">3</td> </tr> <tr> <td><u>Equity and Justice [EQJS] or CRM J 205 [EQJS]</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 colspan="2">Second Year</th> </tr> <tr> <th style="text-align: left;"><i>First Term</i></th> <th style="text-align: right;"><i>Credits</i></th> </tr> <tr> <td>Biological Sciences [BSCI] with lab¹</td> <td style="text-align: right;">4</td> </tr> <tr> <td>CRM J 311</td> <td style="text-align: right;">3</td> </tr> <tr> <td>Humanities [HUM]</td> <td style="text-align: right;">3</td> </tr> </tbody> </table>	<i>First Term</i>	<i>Credits</i>	CRM J 101 [SSCI]	3	ENGLISH 101 [WRTG]	3	Quantitative Reasoning [QUAN]	3	Electives	6	 		<i>Second Term</i>	<i>Credits</i>	Arts [ARTS]	3	Communication [COMM] or Written Communication [WRTG]	3	CRM J 201	3	Diversity [DIVR] or CRM J 205 [DIVR]	3	<u>Equity and Justice [EQJS] or CRM J 205 [EQJS]</u>	<u>3</u>	HISTORY 105 [ROOT]	3	 		Second Year		<i>First Term</i>	<i>Credits</i>	Biological Sciences [BSCI] with lab ¹	4	CRM J 311	3	Humanities [HUM]	3	<p>8-24</p>
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	<p>Electives 6</p> <p>Second Term Credits</p> <p>CRM J 321 3</p> <p>Diversity [DIVR] 3</p> <p>Equity and Justice [EQJS] 3</p> <p>Electives 9</p> <p>Complete Writing Portfolio</p> <p>Third Year</p> <p>First Term Credits</p> <p>CRM J 320 3</p> <p>CRM J Electives² 3</p> <p>Electives³ 9</p> <p>Second Term Credits</p> <p>CRM J Electives² 3</p> <p>Physical Sciences [PSCI] with lab¹ 4</p> <p>Electives³ 9</p> <p>Fourth Year</p> <p>First Term Credits</p> <p>CRM J Electives² 6</p> <p>Foreign Language, if needed, or Electives³ 9</p> <p>Second Term Credits</p> <p>CRM J 480 [CAPS] [M] 3</p> <p>Foreign Language, if needed, or Electives³ 10</p> <p>Footnotes</p> <p>¹ To meet University and College of Arts and Sciences requirements, students must take a [BSCI] course with lab and [PSCI] course with lab.</p> <p>² CRM J Electives (12 credits): Any CRM J course not used to fulfill the CRM J core requirements. Must include one [M] course.</p> <p>³ Electives: 300-400-level coursework as needed to meet University requirements of 120 credits and 40 upper-division credits.</p>	
{S} Human Development Under BA in Human Development, drop Child and Youth Development Option	Child and Youth Development Option (120 Credits)	8-25
{S} Human Development	Gerontology Option (120 Credits)	8-25

Under BA in Human Development, drop Gerontology Option		
{S} Human Development Under BA in Human Development, drop Human Services Option	Human Services Option (120 Credits)	8-25
{S} Human Development Under BA in Human Development, drop Prevention Science Option	Prevention Science Option (120 Credits)	8-25
Languages, Cultures, and Race Revise requirements for Additional Major - French for the Professions	Additional Major – French for the Professions Students who are admitted in a major may seek an additional major in French for the Professions. This additional major does not lead to a degree. The additional major requires 38 <u>32</u> credits, as follows: 1) Language Foundation (14 credits) -- FRENCH 101, 102, 203, and <u>204 or 261</u> . Note that most students entering WSU will have already fulfilled the equivalent of the 101 and 102 courses, if they choose to pursue the same foreign language for this major; 2) Intermediate Language (6 credits) -- Two courses from FRENCH 306, 307, or 308; 3) Language for Specific Purposes (6 credits) -- FRENCH 320 [HUM] and 361 [COMM]; and 4) Upper-level Experience (42 <u>6</u> credits) - - FRENCH 420 [CAPS]; two Writing in the Major courses (see school); and FOR LANG 495, Internship / Service Learning / Undergraduate Research / Study Abroad (for 8 weeks minimum). <u>In addition, students must complete two Writing in the Major [M] courses (FRENCH 308 and 320).</u> No course in which a C- or lower grade is earned will be counted toward the additional major. No course taken pass/fail may be included for credit toward the major. No course may be repeated for credit toward the major unless thus designated in the catalog. No course may count for both the major and the minor. The STAMP 4S (Standards-based Measurement of Proficiency) web-based assessment of foreign language proficiency in reading, writing, speaking, and listening and will be taken during the semester in which the student is completing the final course for the major taught in the target language.	8-25
Languages, Cultures, and Race Revise requirements for minor in Chinese, French, German, Japanese, or Spanish	Chinese, French, German, Japanese, or Spanish To fulfill requirements for a minor in Chinese, French, German, Japanese, or Spanish , a student must complete a minimum of 17 <u>19</u> credits of course work in one language area. A foundation of the target language, <u>102, 203 and 204</u> (& <u>10</u> credits), is required. The remaining 9 credits must be 300-400-level course work in the target language, of which 3 credits must be taken in residence at WSU, while the remaining 6 credits must be taken either in residence at WSU or through WSU-approved education abroad, educational exchange courses, or equivalent transfer coursework.	8-25

	<p><u>To fulfill requirements for a minor in Chinese or Japanese, a student must complete a minimum of 17 credits of course work in one language area. A foundation of the target language, 203 and 204 (8 credits), is required. The remaining 9 credits must be 300-400-level course work in the target language, of which 3 credits must be taken in residence at WSU, while the remaining 6 credits must be taken either in residence at WSU or through WSU-approved education abroad.</u></p> <p>All courses must be passed with a grade of C or better. Only courses thus designated in the Catalog may be repeated for credit toward the minor. Courses counting towards a minor in the language may not be counted towards a major in International Area Studies (i.e., Asian Studies, Latin America Area Studies, German Area Studies, or French and Francophone Area Studies). 105, 205, 305, 405 may not count towards the minor. For courses taken in Study Abroad Programs or as other transfer credits, please check with your advisor. All Chinese, French, German, Japanese, and Spanish language minors must also complete an exit proficiency examination interview during the semester in which they complete the last language course of their minor. There is a fee charged for the exam.</p>	
<p>Languages, Cultures, and Race Revise requirements for minor in Area and Culture Studies (French)</p>	<p>French Area and Culture Studies</p> <p>A minimum of 16 <u>19</u> credits is required (options in French or Francophone Studies). A foundation of the target language, French <u>FRENCH 102 and 203</u> (4 <u>7</u> credits), is required; in addition, 4 courses (12 credits) of further knowledge must be taken other than 203 as: EITHER one lower level and two upper-level courses in FLC plus one approved course in another department; OR one lower-level and one upper-level course in FLC plus two approved courses in another department. See the school for a list of acceptable courses. For special requirements concerning French and Francophone options in the French Area Studies Minor, please see your advisor. A minimum of 9 credits with a letter grade must be taken in residency at WSU at the 300-400 level. All courses must be passed with a grade of C or better. Only courses thus designated in the Catalog may be repeated for credit toward the minor. Courses counting towards a minor in the language may not be counted towards a major in International Area Studies (i.e., Latin America Area Studies, German Area Studies, French and Francophone Area Studies, or Russian Area Studies). 105, 205, and 305 may not count towards the minor. For courses taken in Study Abroad Programs or as other transfer credits, please check with your advisor.</p>	<p>8-25</p>
<p>Languages, Cultures, and Race Revise requirements for minor in Area and Culture Studies (German)</p>	<p>German Area and Culture Studies</p> <p>A minimum of 16 <u>19</u> credits is required. A foundation of the target language, GERMAN <u>102 and 203</u> (4 <u>7</u> credits), is required; in addition, 4 courses (12 credits) of further knowledge must be taken other than 203 as: EITHER one lower level and two upper-level courses in FLC plus one approved course in another department; OR one lower-level and one upper-level course in FLC plus two approved courses in another department. See the school for a list of acceptable courses. A minimum of 9 credits with a letter grade must be taken in residency at WSU at the 300-400 level. All courses must be passed with a</p>	<p>8-25</p>

	<p>grade of C or better. Only courses thus designated in the Catalog may be repeated for credit toward the minor. Courses counting towards a minor in the language may not be counted towards a major in International Area Studies (i.e., Latin America Area Studies, German Area Studies, French and Francophone Area Studies, or Russian Area Studies). 105, 205, and 305 may not count towards the minor. For courses taken in Study Abroad Programs or as other transfer credits, please check with your advisor.</p>							
<p>Languages, Cultures, and Race Revise requirements for minor in Area and Culture Studies (Latin American and Spanish)</p>	<p>Latin American and Spanish Area Studies</p> <p>A minimum of 16 <u>19</u> credits is required. A foundation of the target language, SPANISH <u>102 and 203</u> (4 <u>7</u> credits), is required; in addition, 4 courses (12 credits) of further knowledge must be taken other than 203 as: EITHER one lower level and two upper-level courses in FLC plus one approved course in another department; OR one lower-level and one upper-level course in FLC plus two approved courses in another department. See the school for a list of acceptable courses. A minimum of 9 credits with a letter grade must be taken in residency at WSU at the 300-400 level. All courses must be passed with a grade of C or better. Only courses thus designated in the Catalog may be repeated for credit toward the minor. Courses counting towards a minor in the language may not be counted towards a major in International Area Studies (i.e., Latin America Area Studies, German Area Studies, French and Francophone Area Studies, or Russian Area Studies). 105, 205, and 305 may not count towards the minor. For courses taken in Study Abroad Programs or as other transfer credits, please check with your advisor.</p>	<p>8-25</p>						
<p>{S} Molecular Biosciences Revise requirements for BS in Microbiology - Molecular Biology Option</p>	<p>Microbiology – Molecular Biology Option (120 Credits)</p> <p>A student may be admitted to a School of Molecular Biosciences Microbiology major upon making their intention known to the department. To remain in good standing, a student must meet the following two requirements: Complete BIOLOGY 106, BIOLOGY 107, CHEM 105 and CHEM 106, MBIOS 301, MBIOS 303, MBIOS 305, or transfer equivalents, with a minimum grade of C. After 30 credits, maintain a minimum cumulative GPA of at least 2.5.</p> <p>A Microbiology major who falls below the minimum requirements will be released from the program according to Academic Regulation 53.</p> <p>A grade of C or better is required in all MBIOS courses taken to meet graduation requirements. None of these courses may be taken pass/fail.</p> <p>Completed core requirements may not be used to satisfy lecture or lab electives.</p> <p>First Year</p> <table data-bbox="386 1764 1380 1890"> <thead> <tr> <th><i>First Term</i></th> <th><i>Credits</i></th> </tr> </thead> <tbody> <tr> <td>BIOLOGY 106 [BSCI] or 107 [BSCI]</td> <td>4</td> </tr> <tr> <td>CHEM 105 [PSCI]</td> <td>4</td> </tr> </tbody> </table>	<i>First Term</i>	<i>Credits</i>	BIOLOGY 106 [BSCI] or 107 [BSCI]	4	CHEM 105 [PSCI]	4	<p>8-25</p>
<i>First Term</i>	<i>Credits</i>							
BIOLOGY 106 [BSCI] or 107 [BSCI]	4							
CHEM 105 [PSCI]	4							

ENGLISH 101 [WRTG]	3
MATH 106 (accelerated) or Elective ¹	3
MATH 108 (accelerated) or Elective ¹	2
<i>Second Term</i>	<i>Credits</i>
BIOLOGY 106 or 107	4
CHEM 106	4
HISTORY 105 [ROOT]	3
MATH 140 [QUAN] or 171 [QUAN]	4
MBIOS 138	1
Second Year	
<i>First Term</i>	<i>Credits</i>
Arts [ARTS]	3
CHEM 345 ²	4
Humanities [HUM]	3
MBIOS 301	<u>4</u>
<i>Second Term</i>	<i>Credits</i>
MBIOS 201 [COMM]	3
MBIOS 303	4
MBIOS 305	3
Social Sciences [SSCI]	3
Complete Writing Portfolio	
Third Year	
<i>First Term</i>	<i>Credits</i>
Diversity [DIVR]	3
Equity and Justice [EQJS]	3
MBIOS 304 or 360 [M]	3 or 2
PHYSICS 101 or 201	3
PHYSICS 111 or 211	1
STAT 212 or 412	3 or 4
<i>Second Term</i>	<i>Credits</i>
MBIOS 360 [M] or 304	2 or 3
MBIOS 410	3
MBIOS 450	3
PHYSICS 102 or 202	3
PHYSICS 112 or 212	1
Electives	<u>3</u>

Fourth Year	
<i>First Term</i>	<i>Credits</i>
Lecture Elective ³	3
MBIOS 404	3
MBIOS 440	3
MBIOS 460 or 411	3
Electives	3
<i>Second Term</i>	<i>Credits</i>
MBIOS 442	3
MBIOS 494 [M] [CAPS]	3
Electives	9
Exit Survey	
Footnotes	
¹ If required - consult advisor.	
² CHEM 345 and 348 recommended for professional or graduate degrees.	
³ Lecture elective: select one from MBIOS 342, 401, 413, 426, 446; BIOLOGY 418, ENTOM 343, FS 416.	