

UNDERGRADUATE AND PROFESSIONAL MAJOR CHANGE BULLETIN NO. 12

Spring 2015

---REQUIREMENTS---

Faculty Senate Approved April 16, 2015

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. If a description, semester, or footnote has been left off a schedule of studies presentation, then no changes were made. The column to the far right indicates the date each change becomes effective.

Dept	Proposed	Effective Date
Agricultural and Food Systems Revise graduation requirements for Bachelor of Science in Agriculture and Food Systems - Agriculture and Food Business Economics	Agricultural and Food Business Economics (120 Hours)	8-15
	First Year	
	<i>First Term</i>	<i>Hours</i>
	ANIM SCI 101	3
	ECONS 101 [SSCI] or 102 [SSCI]	3
	HISTORY 105 [ROOT]	3
	HORT / CROP SCI 102	3
	MATH 201 ¹	3
	<i>Second Term</i>	<i>Hours</i>
	COM 102 [COMM] or H D 205 [COMM]	3 or 4
	ECONS 101 or 102	3
	ENGLISH 101 [WRTG]	3
	Humanities [HUM]	3
	MATH 202 [QUAN] ¹	<u>3</u> 4
	Second Year	
	<i>First Term</i>	<i>Hours</i>
	AFS 101	3
	CHEM 101 [PSCI] or 105 [PSCI]	4
	Diversity [DIVR]	3
	STAT 212 or MGTOP 215	4
	<i>Second Term</i>	<i>Hours</i>
	ACCTG 230	3
	AFS 201	3
CHEM 102 or 106	4	
Creative & Professional Arts [ARTS]	3	
SOIL SCI 201 [BSCI]	3	
Complete Writing Portfolio		

	<p>Third Year</p> <p><i>First Term</i> <i>Hours</i></p> <p>AFS Core Systems Elective² 3</p> <p>BIOLOGY 120-[BSCH] 4</p> <p>ECONS 301 3</p> <p>ECONS 350³ 3</p> <p>Electives 3</p> <p><i>Second Term</i> <i>Hours</i></p> <p>BIOLOGY 106 4</p> <p>ECONS 302 3</p> <p>ECONS 311 [M] 3</p> <p>ECONS 335 3</p> <p>Electives 3</p> <p>Fourth Year</p> <p><i>First Term</i> <i>Hours</i></p> <p>300-400-level Electives 6</p> <p>CROP SCI 360 3</p> <p>ECONS 452 [M] 3</p> <p><i>Second Term</i> <i>Hours</i></p> <p>300-400-level Electives 3</p> <p>AFS 401 [CAPS] 3</p> <p>ECONS 450 [M] or 453 3</p> <p>ECONS 451 3</p> <p>Electives <u>34</u></p> <hr/> <p>Footnotes</p> <p>¹ An alternative to MATH 201 and is MATH 106, 172, or 222. An alternative to MATH 202 is MATH 171 and 220.</p> <p>² AFS Core Systems Electives: AGTM 305, AGTM 310, ANIM SCI 464 [M], ANIM SCI 472 [M], ANIM SCI 474 [M], BIOLOGY 372 [M], CROP SCI 302, ECONS 351, HORT 320, NATRS 300, SOIL SCI 368, or other systems courses approved by your advisor.</p> <p>³ ECONS 352, which is only offered in the spring, may be used as an alternative for ECONS 350.</p>	
<p>Agricultural and Food Systems Revise graduation requirements for Bachelor of Science in Agriculture and Food Systems - Agricultural Technology and Production</p>	<p>Agricultural Technology and Production Management (120 Hours)</p> <p>First Year</p> <p><i>First Term</i> <i>Hours</i></p> <p>ANIM SCI 101 3</p> <p>CHEM 101 [PSCI] 4</p>	<p>8-15</p>

Management	HISTORY 105 [ROOT]	3	
	HORT / CROP SCI 102	3	
	Elective or MATH 201 ¹	<u>23</u>	
	Second Term		Hours
	CHEM 102	4	
	ECONS 101 [SSCI]	3	
	ENGLISH 101 [WRTG]	3	
	SOIL SCI 201 [BSCI]	3	
	STAT 212 [QUAN], MATH 140 [QUAN], 171 [QUAN], or 202 3 or 4 [QUAN]	3 or 4	
	Second Year		
	First Term		Hours
	AFS 101	3	
	AGTM 305	3	
	AGTM 314	3	
	BIOLOGY 120 [BSCI]	4	
	Humanities [HUM]	3	
	Second Term		Hours
	ACCTG 230	3	
	AFS 201	3	
	BIOLOGY 106 or 107	4	
	COM 102 [COMM] or H D 205 [COMM]	3 or 4	
	Creative & Professional Arts [ARTS]	3	
	Complete Writing Portfolio		
Third Year			
First Term		Hours	
AFS 336 ²¹	3		
AGTM 315	3		
CROP SCI 305, CROP SCI 403 , <u>ENTOM 343</u> , or PL P 429 ³²	3		
CROP SCI 360	3		
ECONS 350 ⁴³	3		
Second Term		Hours	
AGTM 330	3		
AGTM 412	3		
Diversity [DIVR]	3		
ECONS 450 [M] or [M] Elective ⁵⁴	3		
MGMT 301 or Elective ⁵⁴	3		
Fourth Year			

	<p>First Term</p> <p>400-level Business or Elective⁵⁴ 3</p> <p>AFS Core Systems Elective⁶⁵ 3-or-4</p> <p>AGTM 451 1</p> <p>MKTG 360 or Elective⁵⁴ 3</p> <p>Electives 2</p> <p>Second Term</p> <p>AFS 401 [CAPS] 3</p> <p>AGTM 405 2</p> <p>AGTM 416 3</p> <p>ENGLISH 402 [M] 3</p> <p>Electives 3</p> <hr/> <p>Footnotes</p> <p>¹ Advisor recommended course.</p> <p>¹² NATRS 312 can be taken in the spring as an alternative to AFS 336.</p> <p>²³ ENTOM 351 can be taken in the spring as an alternative to the other courses listed.</p> <p>³⁴ ECONS 352, which is only offered in the spring, may be used as an alternative for ECONS 350.</p> <p>⁴⁵ Courses required for a Business minor. <u>Completion of a Business minor is recommended.</u> Working with their advisors, students are encouraged to apply electives towards a minor of their choice.</p> <p>⁵⁶ AFS Core Systems Electives: AGTM 305, AGTM 310, ANIM SCI 464 [M], ANIM SCI 472 [M], ANIM SCI 474 [M], BIOLOGY 372 [M], CROP SCI 302, ECONS 351, HORT 320, NATRS 300, SOIL SCI 368, or other systems courses approved by your advisor.</p>	
<p>Agricultural and Food Systems</p> <p>Revise graduation requirements for Bachelor of Science in Agriculture and Food Systems - Agricultural Education</p>	<p>Agricultural Education (129 Hours)</p> <p>Combining the best of both agriculture and teaching, the Agricultural Education major prepares students to educate the next generation of agricultural leaders and consumers. Highly sought after by employers, they teach high school and middle school agricultural science classes, as well as serve as FFA advisors, adult education instructors, community outreach coordinators, university extension agents, etc.</p> <p>This major requires students to complete the AFS core courses and agricultural education required courses, as well as a series of teaching and learning courses to meet initial teacher certification requirements. Students also spend a semester student teaching in an agricultural education program in a Washington high school.</p> <p>Students electing a major in Agricultural Education must complete at least 6 hours in Communication Proficiency, 3 hours in Humanities, 3 hours in Social Sciences, 3-4 hours in Mathematics, 8 hours in Biological Sciences, and 8 hours in Physical Sciences. Students must also complete 43 hours of professional core classes for the Secondary Education Certification (student teaching requires AG ED 407 and TCH LRN 415), and 57 hours for the Agricultural Education Endorsement, which include 16 credit hours in technical agriculture from the College of Agricultural,</p>	<p>8-15</p>

~~Human, and Natural Resource Sciences.~~

First Year

First Term *Hours*

ANIM SCI 101	3
CHEM 101 [PSCI] or 105 [PSCI]	4
ECONS 101 [SSCI]	3
ENGLISH 101 [WRTG]	3
HORT / CROP SCI 102	3

Second Term *Hours*

AGTM 201	3
CHEM 102 or 106	4
ENGLISH 201 [WRTG], 301 [WRTG] or 302[M] ¹	3
HISTORY 105 [ROOT]	3
Humanities [HUM]	3
<u>STAT 212 [QUAN], MATH 140 [QUAN], 171 [QUAN], or 202 [QUAN]</u>	3 or 4
Complete West B Exam	

Second Year

First Term *Hours*

300-400-level Ag Elective ¹²	3
AFS 101	3
BIOLOGY 120 [BSCI]	4
Creative & Professional Arts [ARTS]	3
TCH LRN 301	3
Certify in College of Education	

Second Term *Hours*

AFS 201	3
BIOLOGY 106 or 107	4
Diversity [DIVR]	3
<u>Humanities [HUM]</u>	3
SOIL SCI 201	3
<u>STAT 212 [QUAN], MATH 140 [QUAN], 171 [QUAN], or 202 [QUAN]</u>	3 or 4
Complete Writing Portfolio	

Third Term *Hours*

TCH LRN 317 (Available summer only)	2
-------------------------------------	---

Third Year

First Term *Hours*

	<p>300-400-level Ag Elective¹² 3</p> <p>CROP SCI 360 3</p> <p>ECONS 350²³ 3</p> <p>TCH LRN 464 3</p> <p>TCH LRN 465 3</p> <p>TCH LRN 466 2</p> <p>Second Term Hours</p> <p>AFS 401 [CAPS] 3</p> <p>AGTM 402 3</p> <p>ED PSYCH 468 3</p> <p>TCH LRN 467 [M] 3</p> <p>TCH LRN 469 2</p> <p>TCH LRN 470 3</p> <p>Fourth Year</p> <p>First Term Hours</p> <p>300-400-level Ag Elective¹² 3</p> <p>AFS Core Systems Elective³⁴ 3</p> <p>AG ED 440 [M] 2</p> <p>AG ED 450 3</p> <p>AG ED 471 2</p> <p>Second Term Hours</p> <p>AG ED 407 8</p> <p>TCH LRN 415 8</p> <hr/> <p>Footnotes</p> <p>¹ <u>One from ENGLISH 201, 301, 302 [M] or 402 is required for admission to the Teacher Education Program. Students who take ENGLISH 302 will need to take an additional [WRTG] or [COMM] course.</u></p> <p>¹² The Agricultural upper-division electives are required for teacher certification in Agricultural Education. Any 300- or 400-level course with one of the following CAHNRS subjects: AGTM, AFS, ANIM SCI, CROP SCI, ECONS, ENTOM, ENIVR SCI, FS, HORT, IPM, LND ARCH, NATRS, PL P, SOIL SCI, or VIT ENOL <u>not used to satisfy major requirements</u> can be accepted to fulfill this requirement <u>per advisor approval.</u></p> <p>²³ ECONS 352, which is only offered in the spring, may be used as an alternative for ECONS 350.</p> <p>³⁴ AFS Core Systems Electives: AGTM 305, AGTM 310, ANIM SCI 464 [M], ANIM SCI 472 [M], ANIM SCI 474 [M], BIOLOGY 372 [M], CROP SCI 302, ECONS 351, HORT 320, NATRS 300, SOIL SCI 368, or other systems courses approved by your advisor.</p>	
<p>Agricultural and Food Systems Revise footnotes for Bachelor of Science in Agricultural and Food Systems - Organic</p>	<p>Organic Agriculture Systems (120 Hours)</p> <hr/> <p>Footnotes</p> <p>¹ Horticulture Production Electives: HORT 310, HORT 313, HORT 357 (spring), HORT 490 <u>or as approved by advisor.</u></p> <p>² Econs <u>ECONS</u> 350, which is only offered in the fall, may be used as an alternative for Econs <u>ECONS</u> 352.</p>	<p>8-15</p>

Agriculture Systems	³ SOIL SCI 414/415 can be taken as an alternative to SOIL SCI 302. However another [M] course will be required. ⁴ AFS Core Systems Electives: AGTM 305, AGTM 310 , ANIM SCI 464 [M], ANIM SCI 472 [M] , ANIM SCI 474 [M] , BIOLOGY 372 [M], CROP SCI 302, ECONS 351, HORT 320, NATRS 300, SOIL SCI 368, or other systems courses approved by your advisor.	
Biological Sciences Revise graduation requirements for Bachelor of Science in Biology - General Option	<p>Biology - General Option (120 Hours)</p> <p>First Year</p> <p><i>First Term</i> <i>Hours</i></p> <p>BIOLOGY 106 [BSCI] 4</p> <p>CHEM 105 [PSCI]¹ 4</p> <p><u>Creative & Professional Arts [ARTS]</u> <u>3</u></p> <p>ENGLISH 101 [WRTG] 3</p> <p>HISTORY 105 [ROOT] 3</p> <p><i>Second Term</i> <i>Hours</i></p> <p>BIOLOGY 107 4</p> <p>CHEM 106 4</p> <p>Creative & Professional Arts [ARTS] 3</p> <p><u>ENGLISH 101 [WRTG]</u> <u>3</u></p> <p>MATH 140 [QUAN] or 171 [QUAN] 4</p> <p>Second Year</p> <p><i>First Term</i> <i>Hours</i></p> <p>CHEM 345 4</p> <p>Communication [COMM] or Written Communication [WRTG] 3</p> <p>Humanities [HUM] 3</p> <p>PHYSICS 101 or 201 4</p> <p><i>Second Term</i> <i>Hours</i></p> <p>BIOLOGY 301 4</p> <p>MBIOS 303 4</p> <p>PHYSICS 102 or 202 4</p> <p>Social Sciences [SSCI] 3</p> <p>Complete Writing Portfolio</p> <p>Third Year</p> <p><i>First Term</i> <i>Hours</i></p> <p>BIOLOGY 372 [M] 4</p> <p>Diversity [DIVR] 3</p> <p>Program Option Courses or Electives² 8 or 9</p> <p><u>Foreign Language or Electives</u> <u>5 or 6</u></p> <p><u>Foreign Language or Electives</u> <u>3 or 4</u></p>	8-15

	<p>Second Term Hours</p> <p>Creative & Professional Arts [ARTS], Humanities [HUM], or Social Sciences [SSCI] 3</p> <p>Program Option Courses or Electives² 96</p> <p>STAT 212, 412, or PSYCH 311 3 or 4</p> <p><u>Foreign Language or Electives</u> <u>3 or 4</u></p> <p>Fourth Year</p> <p>First Term Hours</p> <p>300-400-level Program Option Courses or Electives² 10</p> <p>BIOLOGY <u>403 or 405</u> 3</p> <p>Electives 3</p> <p>Second Term Hours</p> <p>300-400-level Program Option Courses or Biology Electives² 7</p> <p>BIOLOGY 352 or MBIOS 401 3</p> <p>Integrative Capstone [CAPS] 3</p> <p><u>Program Course Options or Electives²</u> 3</p> <p>Complete School of Biological Sciences Exit Survey</p> <hr/> <p>Footnotes</p> <p>¹ <u>MATH 106 may be taken as a pre-/co-requisite to CHEM 105 and other MATH courses. MATH 108 may also be needed.</u></p> <p>² <u>Biology General Program option courses 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 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, 372, 403, and 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.</u></p>	
<p>Biological Sciences Revise graduation requirements for Bachelor of Science in Biology - Botany Option</p>	<p>Biology - Botany Option (120 Hours)</p> <p>First Year</p> <p>First Term Hours</p> <p>BIOLOGY 106 [BSCI] 4</p> <p>CHEM 105 [PSCI]¹ 4</p> <p><u>Creative & Professional Arts [ARTS]</u> <u>3</u></p> <p>ENGLISH 101 [WRTG] 3</p> <p>HISTORY 105 [ROOT] 3</p> <p>Second Term Hours</p> <p>BIOLOGY 107 4</p> <p>CHEM 106 4</p> <p>Creative & Professional Arts [ARTS] 3</p>	<p>8-15</p>

<u>ENGLISH 101 [WRTG]</u>	<u>3</u>
MATH 140 [QUAN] or 171 [QUAN]	4
Second Year	
<i>First Term</i>	<i>Hours</i>
BIOLOGY 301	4
CHEM 345	4
Humanities [HUM]	3
PHYSICS 101 or 201	4
<i>Second Term</i>	<i>Hours</i>
Communication [COMM] or Written Communication [WRTG]	3
PHYSICS 102 or 202	4
Social Sciences [SSCI]	3
<u>Foreign Language and/or Electives</u>	6
Complete Writing Portfolio	
Third Year	
<i>First Term</i>	<i>Hours</i>
BIOLOGY 320	4
BIOLOGY 372 [M]	4
<u>BIOLOGY 420</u>	<u>3</u>
Creative & Professional Arts [ARTS], Humanities [HUM], or Social Sciences [SSCI]	3
STAT 212, 412, or PSYCH 311	3 or 4
<i>Second Term</i>	<i>Hours</i>
BIOLOGY 332 [M]	4
Bio <u>BIOLOGY 460, 462, or 469</u>	3
Diversity [DIVR]	3
Program Option Courses or Electives ⁺²	2 or 3
<u>Foreign Language or Electives</u>	<u>34</u>
Fourth Year	
<i>First Term</i>	<i>Hours</i>
BIOLOGY <u>403 or 405</u>	3
BIOLOGY 409	4
<u>300-400-level</u> Program Option Courses or Electives ⁺²	6
Electives	3
<i>Second Term</i>	<i>Hours</i>
Integrative Capstone [CAPS]	3
<u>300-400-level</u> Program Option Courses or Electives ⁺²	12

	<p>Complete School of Biological Sciences Exit Survey</p> <hr/> <p>Footnotes</p> <p>¹ <u>MATH 106 may be taken as a pre-/co-requisite to CHEM 101 and other MATH courses. MATH 108 may also be needed.</u></p> <p>² <u>Botany Program option courses 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 courses except those used to fulfill core requirements (BIOLOGY 106, 107, 301, 372, 403 and 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. A minimum of 3 credits of biological science courses should be selected from the following courses or chosen in consultation with an advisor: BIOLOGY 325, 393, 406, 417, 429, 431, 440, 352, 460, 462, 463, 469, 470, 499, 504, 512, 513, 516, 518, 586, MBIOS 401 (BIOLOGY 500-level courses may be taken with the approval of the advisor and instructor).</u></p>	
<p>Biological Sciences Revise graduation requirements for Bachelor of Science in Biology - Pre-Physical Therapy/Pre-Occupational Therapy/Pre-Physician Assistant Option</p>	<p>Biology - Pre-Physical Therapy / Pre-Occupational Therapy / Pre-Physician Assistant Option (120 Hours)</p> <p>First Year</p> <p><i>First Term</i> <i>Hours</i></p> <p>BIOLOGY 106 [BSCI] 4</p> <p>CHEM 105 [PSCI]¹ 4</p> <p><u>COMMUNICATIONS [COMM]</u> <u>3</u></p> <p>ENGLISH 101 [WRTG] 3</p> <p>HISTORY 105 [ROOT] 3</p> <p><i>Second Term</i> <i>Hours</i></p> <p>BIOLOGY 107 4</p> <p>CHEM 106 4</p> <p>COMMUNICATIONS [COMM] 3</p> <p><u>HISTORY 105 [ROOT]</u> <u>3</u></p> <p>MATH 140 [QUAN] or 171 [QUAN] 4</p> <p>Second Year</p> <p><i>First Term</i> <i>Hours</i></p> <p>BIOLOGY 251 <u>or 353</u> 4</p> <p>CHEM 345 4</p> <p>Diversity [DIVR] 3</p> <p>PSYCH 105 [SSCI] 3</p> <p>SOC 101 [SSCI] 3</p> <p><i>Second Term</i> <i>Hours</i></p> <p>BIOLOGY 301 4</p> <p>Creative & Professional Arts [ARTS] 3</p> <p><u>Humanities [HUM]</u> <u>3</u></p> <p>PHYSICS 101 or 201 4</p>	<p>8-15</p>

PSYCH 361	3
Complete Writing Portfolio	
Third Year	
<i>First Term</i>	<i>Hours</i>
BIOLOGY 315	4
BIOLOGY 393 [M] or 490 [M]	2
Humanities [HUM]	3
PHYSICS 102 or 202	4
STAT 212 or 412	3
<u>Foreign Language, if needed</u>	<u>0-4</u>
<i>Second Term</i>	<i>Hours</i>
BIOLOGY 220	2
BIOLOGY 372 [M]	4
H D 101	3
PSYCH 333	3
<u>Foreign Language, if needed, Program Option Courses, or Electives</u> ¹²	<u>3 or 4</u>
Fourth Year	
<i>First Term</i>	<i>Hours</i>
ENGLISH 402 [M]	3
KINES 380 or MBIOS 303	3 or 4
PHIL 365	3
<u>300-400-level Program Option Courses or Electives</u> ¹²	<u>6</u>
<i>Second Term</i>	<i>Hours</i>
BIOLOGY <u>403 or 405</u>	3
Integrative Capstone [CAPS]	3
Program Option Courses or Electives ¹²	8
Complete School of Biological Sciences Exit Survey	

Footnotes

¹ MATH 106 may be taken as a pre-/co-requisite to CHEM 105 and to other MATH courses. MATH 108 may also be needed.

¹² Pre-Physical Therapy / Pre-Occupational Therapy / Pre-Physician Assistant Program option courses 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. A minimum of 4 credits selected from the following courses is recommended: ANTH 203, 260, 380, 405; BIOLOGY 333, 352, 407, 495, 497; KINES 462; MBIOS 304, 305, 423, 440; NEUROSCI 301, 302; PHIL 365. Other approved courses include 200-400-level BIOLOGY courses except those used to fulfill core requirements (BIOLOGY 106, 107, 301, 372, 403 and 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. A minimum of 4 credits of Biological Science courses should be selected from the following courses or chosen in consultation with an advisor: ANTH 203, 260, 380, 405,

	BIOLOGY 233, 331, 352, 407, 491, 495, 497, KINES 462, MBIOS 303, 304, 305, 423, 440, NEUROSCI 301, 302, or PHIL 365.	
Biological Sciences Revise graduation requirements for Bachelor of Science in Biology - Education Option	<p>Biology - Education Option (1367 Hours)</p> <p>First Year</p> <p><i>First Term</i> <i>Hours</i></p> <p>BIOLOGY 106 [BSCI] 4</p> <p>CHEM 105 [PSCI]¹ 4</p> <p><u>Creative & Professional Arts [ARTS]</u> 3</p> <p><u>ENGLISH 101 [WRTG]</u> 3</p> <p>HISTORY 105 [ROOT] 3</p> <p><i>Second Term</i> <i>Hours</i></p> <p>BIOLOGY 107 4</p> <p>CHEM 106 4</p> <p>Creative & Professional Arts [ARTS] 3</p> <p><u>ENGLISH 101 [WRTG]</u> 3</p> <p>MATH 140 [QUAN] or 171 [QUAN] 4</p> <p>Second Year</p> <p><i>First Term</i> <i>Hours</i></p> <p>CHEM 345 4</p> <p>Creative & Professional Arts [ARTS], Humanities [HUM], or Social Sciences [SSCI] 3</p> <p>PHYSICS 101 or 201 4</p> <p>PSYCH 105 [SSCI] 3</p> <p><u>Social Sciences [SSCI]</u> 3</p> <p><u>Foreign Language or Electives²</u> 3 or 4</p> <p><i>Second Term</i> <i>Hours</i></p> <p>BIOLOGY 301 4</p> <p>ENGLISH 201 [WRTG], <u>298 [WRTG], 301 [WRTG], or 402 [WRTG] [M]</u> or approved Communication [COMM] or Written Communication [WRTG] 3</p> <p>PHYSICS 102 or 202 4</p> <p>TCH LRN 301 3</p> <p>TCH LRN 317⁴³ 2</p> <p>Complete Writing Portfolio</p> <p>Third Year</p> <p><i>First Term</i> <i>Hours</i></p> <p>BIOLOGY 372 [M] 4</p> <p>Degree Program Electives²⁴ 6</p>	8-15

Humanities [HUM]	3
STAT 212, 412, or PSYCH 311	3 or 4
<i>Second Term</i>	<i>Hours</i>
Diversity [DIVR]	3
MBIOS 305	3
MBIOS 306	2
<u>MBIOS 401</u>	<u>3</u>
TCH LRN 464	3
TCH LRN 465	3
TCH LRN 466	2
Fourth Year	
<i>First Term</i>	<i>Hours</i>
BIOLOGY <u>403 or 405</u>	3
BIOLOGY 430	3
ED PSYCH 468	3
MBIOS 303	4
TCH LRN 467 [M]	3
<i>Second Term</i>	<i>Hours</i>
<u>BIOLOGY 401 [CAPS] or 408 [CAPS]</u>	<u>3</u>
BIOLOGY 499	2 or 3
Degree Program Elective ²⁴	3
Integrative Capstone [CAPS]	3
TCH LRN 469	2
TCH LRN 470	3
Complete School of Biological Sciences Exit Survey	
Fifth Year	
<i>First Term</i>	<i>Hours</i>
TCH LRN 415	16

Footnotes

¹ MATH 106 may be taken as a pre-/co-requisite to CHEM 105 and to other MATH courses. MATH 108 may also be needed.

² The College of Arts and Sciences requires two years of high school foreign language or two semesters of college-level foreign language.

⁴³ A three-week intensive experience in a K-12 public or private school in the student's home community takes place mid-May through early June after the completion of WSU's spring semester.

²⁴ Degree program electives should be selected in consultation with a biology advisor and must include 9 credits of 300-400-level BIOLOGY coursework. 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, 372, 403 and 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

	<p>options and must be approved by advisor. <u>A minimum of 9 credits of biological science courses should be selected from the following courses or chosen in consultation with an advisor: BIOLOGY 251, 305, 315, 320, 322, 324, 330, 332, 353, 412, 418, 423, 428, 432, 438, 462, 463, 469, ENTOM 343, MBIOS 340, 440, 442, 450. One course must fulfill [M] requirement.</u></p>	
<p>Biological Sciences Revise graduation requirements for Bachelor of Science in Biology - Entomology Option</p>	<p>Biology - Entomology Option (120 Hours)</p> <p>First Year</p> <p><i>First Term</i> <i>Hours</i></p> <p>BIOLOGY 106 [BSCI] 4</p> <p>CHEM 105 [PSCI]¹ 4</p> <p><u>Communication [COMM] or Written Communication [WRTG]</u> <u>3</u></p> <p><u>ENGLISH 101 [WRTG] or 201 [WRTG]</u> <u>3</u></p> <p>HISTORY 105 [ROOT] 3</p> <p><i>Second Term</i> <i>Hours</i></p> <p>BIOLOGY 107 4</p> <p>CHEM 106 4</p> <p><u>Communication [COMM] or Written Communication [WRTG]</u> <u>3</u></p> <p><u>ENGLISH 101 [WRTG] or 201 [WRTG]</u> <u>3</u></p> <p>MATH 140 [QUAN] or 171 [QUAN] 4</p> <p>Second Year</p> <p><i>First Term</i> <i>Hours</i></p> <p>CHEM 345 4</p> <p>Creative & Professional Arts [ARTS] 3</p> <p>ENTOM 343 [M] 3</p> <p>ENTOM 344 [M] 2</p> <p>Humanities [HUM] 3</p> <p><u>PHYSICS 101 or 201</u> <u>4</u></p> <p><i>Second Term</i> <i>Hours</i></p> <p>BIOLOGY 120, 320, or <u>332 [M], or 420</u> 4</p> <p>BIOLOGY 301 4</p> <p><u>Diversity [DIVR]</u> <u>3</u></p> <p>PHYSICS 101 or 201 4</p> <p><u>PHYSICS 102 or 202</u> <u>4</u></p> <p>Complete Writing Portfolio</p> <p>Third Year</p> <p><i>First Term</i> <i>Hours</i></p> <p>BIOLOGY 352 or MBIOS 401 3</p> <p>BIOLOGY 405 3</p>	<p>8-15</p>

	<p><u>Diversity [DIVR]</u> 3</p> <p><u>ENTOM 343 [M]</u> 3</p> <p><u>ENTOM 344 [M]</u> 2</p> <p><u>PHYSICS 102 or 202</u> 4</p> <p><u>STAT 212, 412, or PSYCH 311</u> 3 or 4</p> <p>Second Term Hours</p> <p><u>BIOLOGY 372 [M]</u> 34</p> <p><u>Creative & Professional Arts [ARTS], Humanities [HUM], or Social Sciences [SSCI]</u> 3</p> <p><u>ENTOM 439 [M] or 440 [M]</u> 4</p> <p><u>ENTOM 340 [M]</u> 3</p> <p><u>MBIOS 303</u> 4</p> <p><u>Social Sciences [SSCI]</u> 3</p> <p>Fourth Year</p> <p>First Term Hours</p> <p><u>Program Option Courses or Electives²⁺</u> 12</p> <p><u>Foreign Language or Electives</u> 3 or 4</p> <p>Second Term Hours</p> <p><u>Integrative Capstone [CAPS]</u> 3</p> <p><u>300-400-level Program Option Courses or Electives¹²</u> 10</p> <p><u>Foreign Language or Electives</u> 3 or 4</p> <p><u>Complete School of Biological Sciences Exit Survey</u></p>	
	<p>Footnotes</p> <p>¹ <u>MATH 106 may be taken as a pre-/co-requisite to CHEM 105 and to other MATH courses. MATH 108 may also be needed.</u></p> <p>²⁺ <u>Entomology Program option electives should be selected in consultation with a biology advisor and must include 5 credits chosen from BIOLOGY 321 [M], 322 [M], 330, 350, 353, 393 [M], 409, 418 [M], 462; ENTOM 448; or MBIOS 446, or as approved by 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 courses except those used to fulfill core requirements (BIOLOGY 106, 107, 301, 372, 403 and 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. Select from BIOLOGY 305, 321, 322, 325, 330, 350, 352, 353, 393, 409, 418, 431, 438, 452, 460, 462, 463, ENTOM 441, 445, 446, 448, 472, MBIOS 340, 446.</u></p>	
<p>Biological Sciences Revise graduation requirements for Bachelor of Science in Biology - Ecology and Evolutionary Biology Option</p>	<p>Biology - Ecology and Evolutionary Biology Option (120 Hours)</p> <p>First Year</p> <p>First Term Hours</p> <p><u>BIOLOGY 106 [BSCI]</u> 4</p> <p><u>CHEM 105 [PSCI]¹</u> 4</p>	8-15

<u>Creative & Professional Arts [ARTS]</u>	<u>3</u>
ENGLISH 101 [WRTG]	3
HISTORY 105 [ROOT]	3
<i>Second Term</i>	<i>Hours</i>
BIOLOGY 107	4
CHEM 106	4
Creative & Professional Arts [ARTS]	3
<u>ENGLISH 101 [WRTG]</u>	<u>3</u>
MATH 140 [QUAN] or 171 [QUAN]	4
Second Year	
<i>First Term</i>	<i>Hours</i>
CHEM 345	4
Communication [COMM] or Written Communication [WRTG]	3
Humanities [HUM]	3
PHYSICS 101 or 201	4
<i>Second Term</i>	<i>Hours</i>
BIOLOGY 301	4
PHYSICS 102 or 202	4
Program Option Courses or Electives ¹²	4
Social Sciences [SSCI]	3
Complete Writing Portfolio	
Third Year	
<i>First Term</i>	<i>Hours</i>
BIOLOGY 372 [M]	4
Creative & Professional Arts [ARTS], Humanities [HUM], or Social Sciences [SSCI]	3
Program Option Courses or Electives ¹²	7
<u>Foreign Language or Electives</u>	<u>3 or 4</u>
<i>Second Term</i>	<i>Hours</i>
Diversity [DIVR]	3
Program Option Courses or Electives ¹²	6 or 7
STAT 212, 412, or PSYCH 311	3 or 4
<u>Foreign Language or Electives</u>	<u>3 or 4</u>
Fourth Year	
<i>First Term</i>	<i>Hours</i>
300-400-level Program Option Courses or Electives ¹²	11
BIOLOGY <u>403</u> or <u>405</u>	3

	<p>Second Term</p> <p>300-400-level Program Option Courses or Electives^{1,2} 13 or 14</p> <p>Integrative Capstone [CAPS] 3</p> <p>Complete School of Biological Sciences Exit Survey</p> <hr/> <p>Footnotes</p> <p>¹ <u>MATH 106 may be taken as a pre-/co-requisite to CHEM 105 and to other MATH courses. MATH 108 may also be needed.</u></p> <p>² <u>Ecology and Evolutionary Biology Program option courses 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 courses except those used to fulfill core requirements (BIOLOGY 106, 107, 301, 372, 403 and 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. 21 hours from a minimum of four of the following five areas: physiology / biochemistry, ecology, evolution, animal, plant, conservation / management</u></p>																																											
<p>Biological Sciences Revise graduation requirements for Bachelor of Science in Zoology - General Option</p>	<p>Zoology - General Option (120 Hours)</p> <p>First Year</p> <p>First Term</p> <table data-bbox="402 909 1344 1165"> <thead> <tr> <th></th> <th style="text-align: right;">Hours</th> </tr> </thead> <tbody> <tr> <td>BIOLOGY 106 [BSCI]</td> <td style="text-align: right;">4</td> </tr> <tr> <td>CHEM 105 [PSCI]¹</td> <td style="text-align: right;">4</td> </tr> <tr> <td><u>Creative & Professional Arts [ARTS]</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> </tbody> </table> <p>Second Term</p> <table data-bbox="402 1192 1344 1449"> <thead> <tr> <th></th> <th style="text-align: right;">Hours</th> </tr> </thead> <tbody> <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><u>Creative & Professional Arts [ARTS]</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>MATH 140 [QUAN] <u>or</u>, 171 [QUAN], <u>or</u> 202 [QUAN]</td> <td style="text-align: right;">4</td> </tr> </tbody> </table> <p>Second Year</p> <p>First Term</p> <table data-bbox="402 1549 1344 1806"> <thead> <tr> <th></th> <th style="text-align: right;">Hours</th> </tr> </thead> <tbody> <tr> <td>CHEM 345</td> <td style="text-align: right;">4</td> </tr> <tr> <td>Communication [COMM] or Written Communication [WRTG]</td> <td style="text-align: right;">3</td> </tr> <tr> <td><u>Diversity [DIVR]</u></td> <td style="text-align: right;"><u>3</u></td> </tr> <tr> <td>Humanities [HUM]</td> <td style="text-align: right;">3</td> </tr> <tr> <td>Program Option Courses, Foreign Language, and/or Electives^{1,2}</td> <td style="text-align: right;">7</td> </tr> </tbody> </table> <p>Second Term</p> <table data-bbox="402 1833 1344 1959"> <thead> <tr> <th></th> <th style="text-align: right;">Hours</th> </tr> </thead> <tbody> <tr> <td>BIOLOGY 301</td> <td style="text-align: right;">4</td> </tr> <tr> <td>Creative & Professional Arts [ARTS], Humanities [HUM], or</td> <td style="text-align: right;">3</td> </tr> </tbody> </table>		Hours	BIOLOGY 106 [BSCI]	4	CHEM 105 [PSCI] ¹	4	<u>Creative & Professional Arts [ARTS]</u>	<u>3</u>	<u>ENGLISH 101 [WRTG]</u>	<u>3</u>	HISTORY 105 [ROOT]	3		Hours	BIOLOGY 107	4	CHEM 106	4	<u>Creative & Professional Arts [ARTS]</u>	<u>3</u>	<u>ENGLISH 101 [WRTG]</u>	<u>3</u>	MATH 140 [QUAN] <u>or</u> , 171 [QUAN], <u>or</u> 202 [QUAN]	4		Hours	CHEM 345	4	Communication [COMM] or Written Communication [WRTG]	3	<u>Diversity [DIVR]</u>	<u>3</u>	Humanities [HUM]	3	Program Option Courses, Foreign Language, and/or Electives ^{1,2}	7		Hours	BIOLOGY 301	4	Creative & Professional Arts [ARTS], Humanities [HUM], or	3	<p>8-15</p>
	Hours																																											
BIOLOGY 106 [BSCI]	4																																											
CHEM 105 [PSCI] ¹	4																																											
<u>Creative & Professional Arts [ARTS]</u>	<u>3</u>																																											
<u>ENGLISH 101 [WRTG]</u>	<u>3</u>																																											
HISTORY 105 [ROOT]	3																																											
	Hours																																											
BIOLOGY 107	4																																											
CHEM 106	4																																											
<u>Creative & Professional Arts [ARTS]</u>	<u>3</u>																																											
<u>ENGLISH 101 [WRTG]</u>	<u>3</u>																																											
MATH 140 [QUAN] <u>or</u> , 171 [QUAN], <u>or</u> 202 [QUAN]	4																																											
	Hours																																											
CHEM 345	4																																											
Communication [COMM] or Written Communication [WRTG]	3																																											
<u>Diversity [DIVR]</u>	<u>3</u>																																											
Humanities [HUM]	3																																											
Program Option Courses, Foreign Language, and/or Electives ^{1,2}	7																																											
	Hours																																											
BIOLOGY 301	4																																											
Creative & Professional Arts [ARTS], Humanities [HUM], or	3																																											

	<p>Social Sciences [SSCI]</p> <p><u>Diversity [DIVR]</u> 3</p> <p>Program Option Courses, Foreign Language, and/or Electives¹² 3-6</p> <p>STAT 212, 412, or PSYCH 311 3 or 4</p> <p>Complete Writing Portfolio</p> <p>Third Year</p> <p><i>First Term</i> <i>Hours</i></p> <p>BIOLOGY 321 [M], 322 [M], or 324 4</p> <p>PHYSICS 101 or 201 4</p> <p>Program Option Courses or Electives¹² 6 or 7</p> <p>Social Sciences [SSCI] 3</p> <p><i>Second Term</i> <i>Hours</i></p> <p>BIOLOGY 321 [M], 322 [M], or 324 4</p> <p>BIOLOGY 372 [M] 4</p> <p>PHYSICS 102 or 202 4</p> <p>Electives 3</p> <p>Fourth Year</p> <p><i>First Term</i> <i>Hours</i></p> <p>BIOLOGY 350 or 353 4</p> <p>BIOLOGY 403 or 405 3</p> <p>Program Option Courses or Electives¹² 6-8</p> <p><i>Second Term</i> <i>Hours</i></p> <p>Integrative Capstone [CAPS] 3</p> <p>Program Option Courses or Electives¹² 9-10</p> <p>Electives 1</p> <p>Complete School of Biological Sciences Exit Survey</p> <hr/> <p>Footnotes</p> <p>¹ <u>MATH 106 may be taken as a pre-/co-requisite to CHEM 105 and to other MATH courses. MATH 108 may also be needed.</u></p> <p>¹² <u>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, 372, 403, and 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>A minimum of 9 credits of Biological Science courses should be selected from the following courses or chosen in consultation with an advisor: BIOLOGY 305, 352, 393, 410, 412, 418, 423, 428, 432, 438, 447, 461, 469, 486, 495; ENTOM 343/344, 448; or MBIOS 303.</u></p>	
Biological Sciences	Zoology - Pre-Medicine/Pre-Dentistry Option (120 Hours)	8-15

Revise graduation requirements for Bachelor of Science in Zoology - Pre-Medicine/Pre-Dentistry Option	First Year	
	<i>First Term</i>	<i>Hours</i>
	BIOLOGY 106 [BSCI]	4
	CHEM 105 [PSCI] ¹	4
	<u>Creative & Professional Arts [ARTS]</u>	<u>3</u>
	ENGLISH 101 [WRTG]	3
	HISTORY 105 [ROOT]	3
	<i>Second Term</i>	<i>Hours</i>
	BIOLOGY 107	4
	CHEM 106	4
	Creative & Professional Arts [ARTS]	3
	<u>HISTORY 105 [ROOT]</u>	<u>3</u>
	MATH 140 [QUAN] or 171 [QUAN]	4
	Second Year	
	<i>First Term</i>	<i>Hours</i>
	BIOLOGY 301	4
	CHEM 345	4
	PHYSICS 101 or 201	4
	Social Sciences [SSCI]	3
	<i>Second Term</i>	<i>Hours</i>
	BIOLOGY 322 or 418	4
	BIOLOGY 372	4
	CHEM 348	4
	<u>Communication [COMM] or Written Communication [WRTG]</u>	<u>3</u>
	<u>Diversity [DIVR]</u>	<u>3</u>
	PHYSICS 102 or 202	4
	Complete Writing Portfolio	
	Third Year	
	<i>First Term</i>	<i>Hours</i>
	BIOLOGY 321 [M]	4
	<u>BIOLOGY 322 [M] or 418 [M]</u>	<u>4</u>
	BIOLOGY 403 or 405	3
	Communication [COMM] or Written Communication [WRTG]	3
Humanities [HUM]	3	
Program Option Courses, <u>Foreign Language</u> , or Electives ¹²	3 or 4	
<i>Second Term</i>	<i>Hours</i>	
<u>BIOLOGY 372 [M]</u>	<u>4</u>	

	<p>Creative & Professional Arts [ARTS], Humanities [HUM], or Social Sciences [SSCI] 3</p> <p>Diversity [DIVR] 3</p> <p>MBIOS 303 4</p> <p>Foreign Language or Electives 2-4</p> <p>Program Option Courses or Electives or MBIOS 401^{1,2} 3</p> <p>Fourth Year</p> <p><i>First Term</i> <i>Hours</i></p> <p>BIOLOGY 322 [M] or 418 [M] 4</p> <p>BIOLOGY 352 3</p> <p>MBIOS 305 3</p> <p>MBIOS 306 2</p> <p>Electives 35</p> <p><i>Second Term</i> <i>Hours</i></p> <p>BIOLOGY 315 or 324 4</p> <p>BIOLOGY 353 4</p> <p>Integrative Capstone [CAPS] 3</p> <p>STAT 212, 412, or PSYCH 311 3 or 4</p> <p>Complete School of Biological Sciences Exit Survey</p> <hr/> <p>Footnotes</p> <p>¹ <u>MATH 106 may be taken as a pre-/co-requisite to CHEM 105 and to other MATH courses. MATH 108 may also be needed.</u></p> <p>² <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, 372, 403, and 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. Select from BIOLOGY 322, 393, 394, 418, 495, PHIL 365.</u></p>	
<p>Biological Sciences Revise graduation requirements for Bachelor of Science in Zoology - Pre-Veterinary/ Animal Care Option</p>	<p>Zoology - Pre-Veterinary/Animal Care Option (120 Hours)</p> <p>First Year</p> <p><i>First Term</i> <i>Hours</i></p> <p>BIOLOGY 106 [BSCI]¹ 4</p> <p>CHEM 105 [PSCI]^{1,2} 4</p> <p>Creative & Professional Arts [ARTS] 3</p> <p>ENGLISH 101 [WRTG] 3</p> <p>HISTORY 105 [ROOT] 3</p> <p><i>Second Term</i> <i>Hours</i></p> <p>BIOLOGY 107¹ 4</p> <p>CHEM 106¹ 4</p>	8-15

Creative & Professional Arts [ARTS]	3
<u>ENGLISH 101 [WRTG]</u>	3
MATH 140 [QUAN] or 171 [QUAN] ¹	4
Second Year	
<i>First Term</i>	<i>Hours</i>
BIOLOGY 301 ¹	4
CHEM 345 ¹	4
Communication [COMM] or Written Communication [WRTG]	3
Humanities [HUM]	3
Social Sciences [SSCI]	3
<i>Second Term</i>	<i>Hours</i>
Creative & Professional Arts [ARTS], Humanities [HUM], or Social Sciences [SSCI]	3
MBIOS 303 ¹	4
PHYSICS 101 or 202 201 ¹	4
Program Option Courses, <u>Foreign Language</u> , or Electives ²³	3
STAT 212, 412, or PSYCH 311	3 or 4
Complete Writing Portfolio	
Third Year	
<i>First Term</i>	<i>Hours</i>
BIOLOGY 321 [M], 322 [M], or 324	4
PHYSICS 102 or 202 ¹	4
Program Option Courses, <u>Foreign Language</u> , or Electives ²³	6
<i>Second Term</i>	<i>Hours</i>
BIOLOGY 321 [M], 322 [M], or 324	4
BIOLOGY 372 [M]	4
Diversity [DIVR]	3
Electives	3
Fourth Year	
<i>First Term</i>	<i>Hours</i>
BIOLOGY 350 or 353	4
BIOLOGY <u>403</u> or 405	3
Program Option Courses or Electives ²³	3-6
Electives	3
<i>Second Term</i>	<i>Hours</i>
Integrative Capstone [CAPS]	3
Program Option Courses or Electives ²³	10-12

	<p>Electives 3</p> <p>Complete School of Biological Sciences Exit Survey</p> <hr/> <p>Footnotes</p> <p>¹ Science requirements for admission to WSU College of Veterinary Medicine.</p> <p>² <u>MATH 106 may be taken as a pre-/co-requisite to CHEM 105 and to other MATH courses. MATH 108 may also be needed.</u></p> <p>²³ <u>Zoology, Pre-Veterinary/Animal Care Program Option electives should be selected in consultation with a biology advisor and must include 12 credits selected from ANIM SCI 314; BIOLOGY 352, 393 [M], 423, 428, 438 [M], 495; MBIOS 303, 305, 306; NATRS 431 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, 372, 403 and 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. A minimum of 12 credits of Biological Science courses should be selected from the following courses or chosen in consultation with an advisor: BIOLOGY 305, 352, 393, 410, 412, 418, 423, 428, 438, 447, 461, 495, ANIM SCI 314, NATRS 431, MBIOS 303, 305, 306.</u></p>	
<p>Business Revise Carson College of Business Graduation Requirements for all CCB degrees, to be placed in the top text of Schedule of Studies for all CCB degrees.</p>	<p>Graduation Requirements</p> <p>A minimum business- cumulative gpaGPA of 2.5 in all Carson College of Business (CCB) courses required for the major is required for graduation. <u>The calculation will only count WSU business courses that are taught by the CCB including HBM courses. Economic Sciences courses or any other courses outside the college are not included.</u></p>	<p>8-15</p>
<p>Design and Construction Revise graduation requirements for Bachelor of Science in Construction Management</p>	<p>Construction Management (Pre-professional Program) (31 Hours)</p> <p>Construction management is a four-year program structured into one year of preconstruction management and three years of construction education.</p> <p>The degree of Bachelor of Science in Construction Management is for those students who wish to work in the profession of construction management or in a management capacity in other facets of the construction industry.</p> <p>Upon completion of the preconstruction management program requirements, or their equivalent for transfer students, application must be made for certification into the Construction Management program at the end of the first year.</p> <p>Beginning Fall 2006, aAll students admitted into the second year will be required to purchase laptop computers. Please contact the school for details and specifications.</p> <p>Certification Requirements:</p> <p>The School of Design Architecture and Construction Management has</p>	<p>8-15</p>

separate admissions and certification policies and procedures for its different degree programs. Admission to the Construction Management program will be considered for those who have qualified for admission to WSU and fulfill the requirements outlined below.

The undergraduate Construction Management program has a one-step screening process leading to certification. The screening process takes place between the first and second year. Qualified students will be certified at this time and allowed to take upper-level coursework as well as construction management courses. This limitation is imposed because of limited space, equipment and faculty resources. Students may transfer to the school during the two-year process or apply directly for second-year certification.

Application Requirements and Deadlines:

All second-year applications are due by **May 1**.

Grade records for transfer students for the semester or quarter must be available to the construction management coordinator before June.

The construction management coordinator reviews all applications and makes recommendation to the School of Design and Construction's ~~Architecture's~~ Admissions and Academic Affairs committee regarding applicants. Selection will be made on or about June 15; all applicants will be notified of their status by letter mailed from the ~~school~~ School.

Course and gpaGPA Requirements for Screening:

Because the ~~school~~ School receives more applications from qualified students than can be accommodated, screening for entry into the second year is based on the applicant fulfilling the minimum requirements listed and the applicant's overall gpaGPA. To be considered for admission, an applicant must:

1. Qualify for admission into Washington State University.
2. Complete the first year as listed herein under preconstruction management.
3. Earn a grade of C or better in each of the following: COM 102 or H D 205; CST M 102; HISTORY 105; HISTORY 120, or 121, ECONS 101, ~~;~~ ECONS 102; ENGLISH 101; GEOLOGY 101; MATH 171; and another course that meets a University Common Requirement (UCORE) other than those previously listed. For applicant screening, the highest grade will be used.
4. Complete and submit an application to the Construction Management program by May 1.
5. Maintain an overall minimum gpaGPA of 2.5.

First Year

First Term

Hours

COM 102 [COMM] or H D 205 [COMM]	3 or 4
<u>ECONS 101 [SSCI]</u>	<u>3</u>
ENGLISH 101 [WRTG]	3
GEOLOGY 101 [PSCI]	4
HISTORY 105 [ROOT]	3
HISTORY 121 [HUM]	3
<u>SDC 100 [ARTS]</u>	<u>3</u>
<i>Second Term</i>	<i>Hours</i>
CST M 102	2
ECONS 101 [SSCI]	3
ECONS 102	3
<u>ENGLISH 101 [WRTG]</u>	<u>3</u>
HISTORY 120 [DIVR]	3
MATH 171 [QUAN]	4
<u>HISTORY 120 [DIVR] or 121 [HUM]</u>	<u>3</u>

Construction Management (2nd through 4th years Second through Fourth Years) (912 Hours)

Second Year

<i>First Term</i>	<i>Hours</i>
ARCH 351	3
B LAW 210	3
CST M 201	3
CST M 254	2
PHYSICS 101 <u>or 201</u>	4

<i>Second Term</i>	<i>Hours</i>
Creative & Professional Arts [ARTS]	3
ACCTG 230	3
ARCH 352	3
CST M 202	3
CST M 252	4
<u>Diversity [DIVR] or Humanities [HUM]¹</u>	<u>3</u>
Complete Writing Portfolio	

Third Year

<i>First Term</i>	<i>Hours</i>
ARCH 432	3
C E 301	3
<u>C E 302</u>	<u>3</u>

	<p><u>CST M 332</u> 3</p> <p>CST M 356 3</p> <p><u>CST M 368</u> 3</p> <p>CST M 370 3</p> <p>CST M 451 3</p> <p>Second Term Hours</p> <p>ARCH 433 3</p> <p>Biological Sciences [BSCI] <u>with lab</u> 3 or 4</p> <p><u>CST M 333</u> 3</p> <p><u>CST M 356</u> 3</p> <p>CST M 357 3</p> <p>CST M 362 [M] 3</p> <p>CST M 371 3</p> <p>Fourth Year</p> <p>First Term Hours</p> <p>ARCH 463 3</p> <p><u>CST M 301 or MGMT 301</u> 3</p> <p>CST M 460 3</p> <p>CST M 462 3</p> <p><u>300-400-level CST M Elective</u> 3</p> <p>MGMT 301 3</p> <p>Second Term Hours</p> <p>300-400-level Business Elective² 3</p> <p>CST M 473 3</p> <p>CST M 475 [M] 3</p> <p><u>300-400-level CST M Elective</u> 3</p> <p>Integrative Capstone [CAPS] 3</p> <hr/> <p>Footnotes</p> <p>¹ <u>University Requirements include 3 hours of [HUM] and 3 hours of [DIVR].</u></p> <p>² <u>ECONS 327, WOMEN ST 315 or any 300-400-level ACCTG, B LAW, ENTRP, FIN, HBM, I BUS, MGMT, MGTOP, MIS, or MKTG course not used to fulfill other requirements.</u></p>	
<p>Design and Construction Revise graduation requirements for Bachelor of Science in Architectural Studies</p>	<p>Architecture (Pre-professional Program) (31 Hours)</p> <p>General Requirements - BS in Architectural Studies</p> <p>1. Due to limitations of space and faculty, enrollment in second-year courses and certification as a major in architecture can be granted to only the most qualified students. Prospective applicants for these programs are responsible for familiarizing themselves with the <u>school's School of Design and Construction's</u> requirements and procedures.</p>	8-15

2. Students who wish to transfer from another institution may find it possible to transfer University Common Requirement (UCORE) course work from these institutions. While this may reduce the amount of time required at WSU to complete UCORE requirements, it is very difficult to transfer appropriate architecture course work to compress the four-year time period. Please consult the WSU Transfer Guide and contact the School of ~~Architecture and Design~~ and Construction Management for information regarding transfer requirements.

3. Transfer students and former WSU students must submit an application for admission to the university, a supplemental application, and current academic records to the School by the dates listed in this catalog.

4. Students wishing to transfer from another institution into the second, third, or fourth year of architecture must submit a portfolio in order for the School to evaluate their potential for success in the program. Contact the School for portfolio requirements.

5. A student may not enroll in 300- or 400-level ~~Arch~~ ARCH courses without being certified in architecture.

6. A student may not take courses required by the School on a pass, fail basis.

7. Third-year, fourth-year and graduate students will be required to participate in one short off-campus study tour each year.

8. ~~Beginning Fall 2006, all~~ All students admitted into the second year will be required to purchase laptop computers. Please contact the ~~school~~ School for details and specifications.

Students who enter WSU and have an interest in architecture should contact the academic coordinator ~~for the school~~ for specific advising.

First Year

<i>First Term</i>	<i>Hours</i>
ARCH 101	3
ENGLISH 101 [WRTG]	3
HISTORY 105 [ROOT]	3
HISTORY 121 [HUM]	3
<u>Humanities [HUM]</u>	<u>3</u>
MATH 107[±], if necessary, or Electives	3
<u>SDC 100 [ARTS]</u>	<u>3</u>
<u>SDC 120</u>	<u>3</u>
<u>Fine Arts Elective¹</u>	<u>3</u>

Second Term ***Hours***

ARCH 103	3
ARCH 202	3
Diversity [DIVR]	3
ENGLISH 101 [WRTG]	3
HISTORY 120 [DIVR]	3
MATH 171 [QUAN] ^{1,2}	4
SDC 140	3
Social Sciences [SSCI]	3

Footnotes

¹ Any FINE ARTS course.

² Students who are not adequately prepared for MATH 171 should take MATH ~~407~~ 106 and 108 as needed during ~~the fall semester of~~ their first year. All freshmen must take the math placement exam.

Bachelor of Science in Architectural Studies (2nd through 4th years Second through Fourth Years) (89 Hours)

The Bachelor of Science in Architectural Studies is a program primarily for those who want a foundation in the study of architecture. This degree was designed for students who want to pursue a career in architecture or to work in an architecturally related discipline such as planning, technology, project and community development, or within government agencies. On successful completion of the B.S. Architectural Studies program, an individual can work as an unlicensed architect in a professional architecture practice. In order to be eligible to license as an architect, a professional Master of Architecture program must also be completed. This degree may also be used as a preparation for professional, accredited graduate education. Students who pursue this option at WSU must complete all university requirements in addition to School requirements listed below.

Pre-Architecture

Students who enter WSU and have an interest in architecture will be assigned an advisor in the School of ~~Architecture and Construction Management~~ Design and Construction (SDC). Students interested in architecture should enroll in ~~Arch 101~~ SDC 100 and 140 fall of their freshman year, as ~~this is the first~~ these are the first two prerequisites in an eight-semester sequence.

Certified Program

The ~~School of Architecture and Construction Management~~ SDC accepts ~~40-45~~ 50-55 students into the second year. Students wishing to certify into the Bachelor of Science in Architectural Studies program must apply for certification during the spring semester of their first year in the program. WSU students who wish to enroll in second year must submit an application to the School of Architecture and Construction

Management during the freshman spring semester. To be considered, a student must have completed at least 26 semester credit hours of architectural program requirements, including the following courses, or their equivalents from other institutions: ARCH 101, 103, 202, ENGLISH 101, HISTORY 105; HISTORY 120 or 121; MATH 171 or PHYSICS 101 or 201; 7-8 credits of UCOREs. A grade of C or better must be achieved in Arch 101 and 103. Selection is based on the student's GPA in the 26+ semester credit hours of required course work. If students do not complete Arch 101, 103 and 202 at WSU, they will be required to submit visual evidence of their architectural graphic and design work for review by the Admissions Committee. Most of the students will be selected at the end of the WSU spring semester but some positions will be held open until summer for transfer students. Certification requirements include completion of a minimum of 24 semester hours and earning a C or better grade in the following required courses: SDC 100, 120, and 140. Additional required courses are COM 102, ENGLISH 101, HISTORY 105, MATH 171, and one fine arts class (FINE ART 101, 201, or 202 recommended). Transfer equivalents may be approved by the program. While students must have a minimum cumulative WSU GPA of 2.5 to apply for certification, the process is competitive due to limited space in upper division courses. Students' overall WSU GPA and major specific GPA from the courses listed above are considered.

Transfer Students

Students who wish to transfer into the second year must demonstrate equivalent course work from another institution. Transfer students must make application to Washington State University and the School of Architecture and Construction Management, Design and Construction, and submit a portfolio of design work (see schedule below). Transfer students will be evaluated based upon grades from coursework that is equivalent to first year requirements at WSU. Portfolios will be judged relative to content that is equated to Architecture 101 and 103.

Application/Portfolio/Notification Deadlines:

May 1 All second-year applications due.

May 1 Portfolios due from applicants who did not complete Arch 101, 103, 202 SDC 100, 120, and 140 at WSU.

June 1 Screening complete: Applicants will be classified as accepted or denied. Applicants will be notified by mail in June.

WSU Spokane

The School sends 1/5 fourth year and 1/3 of the graduate students to the WSU Spokane urban campus. Students are given the option of selecting either Pullman or Spokane for their fourth year of studies when they apply for certification. In the event that there are not enough requests to fill positions at either location, a selection process will be implemented to fill remaining positions. Second year acceptance letters will notify

students as to whether they will spend their fourth year in Pullman or Spokane. Students accepting admission to the second year also accept the conditions of their place of study during the fourth year. Selection of graduate students to either Pullman or Spokane will be made at the time of acceptance to the Graduate School.

NOTE:

Students offered positions in the second-year courses must promptly notify the ~~School~~ SDC of their acceptance of the position or the next alternate will be offered the position.

Students that are admitted must be registered for the fall semester and attend the first day of classes or lose their position.

Second Year

<i>First Term</i>	<i>Hours</i>
ARCH 201	4
ARCH 220	3
ARCH 330	3
Creative & Professional Arts [ARTS] ¹	3
PHYSICS 101 [PSCI] or 201 [PSCI]	4
<u>SDC 250 or CST M 202</u>	<u>3</u>

<i>Second Term</i>	<i>Hours</i>
ARCH 203	4
ARCH 209	3
ARCH 324 [M]	3
Communication [COMM] or Written Communication [WRTG]	3
Physical Sciences [PSCI] or SCIENCE 102 [SCI] ¹²	3 or 4
Complete Writing Portfolio	

Third Year

<i>First Term</i>	<i>Hours</i>
ARCH 301	5
ARCH 309 [M]	3
ARCH 351	3
ARCH 353 <u>or 210</u>	<u>1 or 3</u>
ARCH 432	3
<u>CST M 332</u>	<u>3</u>

<i>Second Term</i>	<i>Hours</i>
ARCH 303	5
ARCH 352	3
ARCH 354 <u>or 215</u>	<u>1 or 3</u>
ARCH 433	3

	<p><u>CST M 333</u> <u>3</u></p> <p>Biological Sciences [BSCI] or SCIENCE 101 [SCI] 4 or 3 <u>3 or 4</u></p> <p>Fourth Year</p> <p><i>First Term</i> <i>Hours</i></p> <p>ARCH 401 5</p> <p>ARCH 409 [M] <u>or SDC 350 [M]</u> 3</p> <p>ARCH 463 3</p> <p>ARCH 472 3</p> <p><u>ARCH Emphasis Elective³</u> <u>3</u></p> <p><i>Second Term</i> <i>Hours</i></p> <p>ARCH 403 5</p> <p>ARCH Emphasis Electives²³ 6</p> <p>Integrative Capstone [CAPS] 3</p> <p><u>Elective</u> <u>1</u></p> <hr/> <p>Footnotes</p> <p>¹ <u>FINE ART 101, 201, or 202 recommended.</u></p> <p>⁴² <u>At least 3 hours of Physical Science [PSCI] in addition to Physics PHYSICS 101 or 201 Electives from the school's approved list are required for graduation.</u></p> <p>²³ <u>At least 89 hours of Architectural Emphasis Electives from the school's approved list are required for graduation. any 300-400-level courses from ARCH, CST M, I.D, and LND ARCH not used to fulfill major requirements.</u></p>	
<p>English Revise graduation requirements for Bachelor of Arts in English - Literary Studies Option</p>	<p>English - Literary Studies Option (120 Hours) Requirements in this degree include fifteen <u>15</u> hours of core classes (302, 370, 371, 372, and 373), fifteen <u>15</u> hours 300-400-level English literature or Humanities classes, <u>including</u> at least <u>6</u> six of them hours at the 400 level, and <u>6</u> six hours of electives in English or Humanities at any level, <u>including</u> a <u>Writers of Color</u> course and <u>excluding</u> ENGLISH 201. One of these must be an advisor approved writers of color class. Total: 36 hours.</p> <p>First Year</p> <p><i>First Term</i> <i>Hours</i></p> <p><u>Biological Sciences [BSCI] with lab or SCIENCE 101 [SCI]¹</u> <u>4</u></p> <p>ENGLISH 101 [WRTG] 3</p> <p>HISTORY 105 [ROOT] 3</p> <p>Humanities [HUM]⁴² 3</p> <p>Quantitative Reasoning [QUAN] 3</p> <p>Electives 4</p> <p><i>Second Term</i> <i>Hours</i></p> <p>Biological Sciences [BSCI] with lab or SCIENCE 101 [SCI] 4</p> <p>Creative & Professional Arts [ARTS] 3</p>	<p>8-15</p>

<u>ENGLISH 101 [WRTG]</u>	<u>3</u>
<u>Physical Sciences [PSCI] with lab or Science 102¹</u>	<u>4</u>
Social Sciences [SSCI]	3
Electives (English or Humanities recommended)	6 3
Second Year	
<i>First Term</i>	<i>Hours</i>
Creative & Professional Arts [ARTS], Humanities [HUM], or Social Sciences [SSCI]	3
ENGLISH 302 [M] , or Communication [COMM] or Written Communication [WRTG]	3
ENGLISH or HUMANITY Elective ²	3
Physical Sciences [PSCI] with lab or SCIENCE 102 [SCI]	4
<u>Elective</u>	<u>3</u>
<i>Second Term</i>	<i>Hours</i>
Diversity [DIVR]	3
<u>Two from ENGLISH 370, 371, 372, or 373</u>	6
Electives	6
Complete Writing Portfolio	
Third Year	
<i>First Term</i>	<i>Hours</i>
<u>Two from ENGLISH 370, 371, 372, or 373</u>	6
<u>ENGLISH 302 [M]</u>	<u>3</u>
300-400-level Literature or Humanities Elective ³	3
<u>Foreign Language or Electives</u>	<u>6</u>
	<u>3 or 4</u>
<i>Second Term</i>	<i>Hours</i>
300-400-level Literature or Humanities Electives ³	6
<u>Foreign Language and/or Electives</u>	12
Fourth Year	
<i>First Term</i>	<i>Hours</i>
ENGLISH Senior Seminar or 400-level Literature or Humanities Elective ⁴	3
<u>Writers of Color Course⁵</u>	<u>3</u>
300-400-level Literature or Humanities Elective ³	3
300-400-level Electives	9 6
<i>Second Term</i>	<i>Hours</i>
ENGLISH Senior Seminar or 400-level Literature or Humanities Elective ⁴	3

	<p>Integrative Capstone <u>ENGLISH 415 [CAPS] or 494 [CAPS] [M]</u> 3</p> <p>Electives 6</p> <hr/> <p>Footnotes</p> <p>¹ <u>To meet University and College of Arts and Sciences requirements, students must take a [BSCI] course with lab and [PSCI] course with lab or SCIENCE 101 and 102. SCIENCE 101 is offered Fall semester and is a prerequisite for SCIENCE 102. SCIENCE 102 is offered Spring semester.</u></p> <p>² <u>At least one from HUMANITY 101, 103, 302[M], 303, 304, 335, 350, 410, or 450 is required. Upper-division HUMANITY courses are not recommended for first-year students.</u></p> <p>³ <u>Literature or Humanities Electives: Approved courses include 300-400-level ENGLISH courses, AMER ST 470, 472; CES 313, 314, 315, 331, 332; WOMEN ST 306, 309, 382, and 409. May need to include [M] course to meet University Requirements.</u></p> <p>⁴ <u>Approved courses include any 400-level ENGLISH course or as approved by advisor.</u></p> <p>⁵ <u>Writers of Color courses are: ENGLISH 311, 314 [M], 321, 322 [M], 341 [M], 345 [M], or 489.</u></p>	
<p>Environment Revise graduation requirements for Bachelor of Science in Earth and Environmental Sciences - Environmental and Ecosystem Sciences</p>	<p>Environmental and Ecosystem Sciences (120 Hours)</p> <p>First Year</p> <p><i>First Term</i> <i>Hours</i></p> <p><u>BIOLOGY 106</u> 4</p> <p>CHEM 101 [PSCI] or 105 [PSCI] 4</p> <p>ENVR SCI 101[BSCI] 4</p> <p>HISTORY 105 [ROOT] 3</p> <p>MATH 106 <u>or</u> <u>electives</u>¹ 3</p> <p><u>Foreign Language, if needed</u>² <u>0-4</u></p> <p><i>Second Term</i> <i>Hours</i></p> <p><u>CHEM 101 [PSCI] or 105 [PSCI]</u> 4</p> <p>CHEM 102 or 106 4</p> <p><u>COM 102 [COMM] or H D 205 [COMM]</u> <u>3 or 4</u></p> <p>ENGLISH 101 [WRTG] 3</p> <p>Humanities [HUM] 3</p> <p>MATH 108 <u>or</u> <u>electives</u>¹ 2</p> <p>NATRS 300 or BIOLOGY 372 <u>3 or 4</u></p> <p>Second Year</p> <p><i>First Term</i> <i>Hours</i></p> <p>BIOLOGY 106 4</p> <p><u>BIOLOGY 107</u> 4</p> <p>ECONS 101 [SSCI] 3</p> <p>PHYSICS 101, 102, or GEOLOGY 101 4</p> <p>Required 200-level required <u>Electives</u>^{4,3} <u>2 or 3</u></p> <p><u>Foreign Language, if needed</u>² <u>0-4</u></p> <p><i>Second Term</i> <i>Hours</i></p>	<p>8-15</p>

BIOLOGY 107	4
CHEM 102 or 106	4
Creative & Professional Arts [ARTS]	3
GEOLOGY 315 or NATRS 460	3
NATRS 300⁴	3
STAT 212 [QUAN] or MATH 140 [QUAN], or 171 [QUAN]	4
Professional Electives or Required Electives^{1,2}	5
Complete Writing Portfolio	
Third Year	
<i>First Term</i>	<i>Hours</i>
Creative & Professional Arts [ARTS]	3
ENVR SCI 310, SOIL SCI 368, or BIOLOGY 340	3
Modeling and Spatial Analysis Requirement⁵	3 or 4
STAT 412 or 370-360, 370, or 412⁶	3
Water Science Requirement⁷	3
Professional Electives²⁸	7
<i>Second Term</i>	<i>Hours</i>
COM 102 [COMM] or H D 205 [COMM]	3 or 4
Creative & Professional Arts [ARTS], Humanities [HUM], or Social Sciences [SSCI]	3
Diversity [DIVR]⁹	3
Earth Systems Requirement¹⁰	3
ENGLISH 301 or 402	3
GEOLOGY 303 or 390	3
Professional Electives²⁸	6
Society and Environmental Management Requirement¹¹	3 or 4
Fourth Year	
<i>First Term</i>	<i>Hours</i>
Creative & Professional Arts [ARTS], Humanities [HUM], or Social Sciences [SSCI]	3
Integrative Capstone [CAPS]¹²	3
Writing in the Major [M]¹³	3
Professional Electives²⁸	6
<i>Second Term</i>	<i>Hours</i>
ENGLISH 301 or 402 [M]	3
ENVR SCI 444 or ENVR SCI 335	3
Experiential Elective^{2,3,14}	3
NATRS 312 [DIVR]	3
Writing in the Major [M]	3

Footnotes

- ¹ MATH 106 and 108 are required courses. However, if students have tested into or taken MATH 140, 171, 172 or ALEKS with a 70% or better, MATH 106 and 108 will be waived.
- ² 2 years of high school foreign language or at least 2 semesters of college-level foreign language are required by the College of Arts and Sciences for graduation.
- ⁴³ Students are required to select at least one course from a block of 200-level electives. SEE ADVISOR.
Approved 200-level required electives by campus include: (Pullman) ENVR SCI. 275, 285, GEOLOGY 230 or NATRS 204; (Tri-Cities) GEOLOGY 230; (Vancouver) ENVR SCI. 250, 275, or GEOLOGY 230.
- ⁴ Alternative to NATRS 300 is BIOLOGY 372.
- ⁵ Modeling and Spatial Analysis by campus: (Pullman) BIOLOGY 340, ENVR SCI 310, or SOIL SCI 368; (Tri-Cities) ENVR SCI 310; (Vancouver) BIOLOGY 340 or ENVR SCI 310.
- ⁶ MATH 172 is a prerequisite for STAT 360 and 370.
- ⁷ Water Science by campus: (Pullman) GEOLOGY 315 or NATRS 460; (Tri-Cities) GEOLOGY 230 or 475; (Vancouver) BIOLOGY 308 or ENVR SCI 463.
- ²⁸ Within the School of the Environment, Professional electives are courses selected by students in concert with their advisor and pertain to their major and/or to a specific sub-discipline of interest. Professional electives may also include courses from outside of their major as needed to complete a minor in another field of study. Approved courses include but are not limited to: ECONS 330, any 300-400-level ENVIR SCI course, GEOLOGY 210, 230, or any 300-400-level GEOLOGY course, NATRS 204, 275, 285, or any 300-400-level NATRS course, any 300-400-level SOIL SCI course, minors in Sociology, Political Science, Criminal Justice and Geospatial Analysis, or as approved by advisor.
- ⁹ NATRS 312 satisfies both the DIVR and the Society and Environmental Management requirements.
- ¹⁰ Earth Systems by campus: (Pullman) GEOLOGY 303; (Tri-Cities) GEOLOGY 390; (Vancouver) ENVR SCI 410.
- ¹¹ Society and Environmental Management by campus: (Pullman) ENVR SCI 444 or NATRS 312; (Tri-Cities) ENVR SCI 335 or 444; (Vancouver) ENVR SCI 335 or 444.
- ¹² Approved Integrated Capstone courses include: BIOLOGY 401 (Tri Cities and Pullman), BIOLOGY 408 (Pullman) and (Vancouver) as approved by advisor
- ¹³ Writing in the Major by campus: (Pullman) NATRS 411, 446, 450, 454, 464; (Tri-Cities) ENVR SCI 335 and 404; (Vancouver) ENVR SCI 335 and 404.
- ³ Certified students in the School of the Environment are required to fulfill the Experiential Requirement before graduation. This requirement is designed to give students experience that they will not receive in the traditional classroom oriented course, and to better prepare them for a successful career after graduation. There are various ways to complete this requirement, and students are encouraged to choose an experience of interest to them. Approved courses include (Pullman) ENVR SCI 495, 479; (Tri-Cities) ENVR SCI 495; (Vancouver) ENVR SCI 495; (Pullman, Tri-Cities, Vancouver) or as approved by advisor.
- ¹⁴ Requirement before graduation. This requirement is designed to give students experience that they will not receive in the traditional classroom oriented course, and to better prepare them for a successful career after graduation. There are various ways to complete this requirement, and students are encouraged to choose an experience of interest to them. Approved courses include (Pullman) ENVR SCI 495, 479; (Tri-Cities) ENVR SCI 495; (Vancouver) ENVR SCI 495; (Pullman, Tri-Cities, Vancouver) or as approved by advisor.

Environment
Revise graduation requirements for Bachelor of Science in **Earth and Environmental Sciences - Earth Sciences**

Earth Sciences (120 Hours)

~~To certify in the major you must have at least 24 credits and a 2.0 cumulative gpa.~~

First Year**First Term**

CHEM 101 [PSCI] or 105 [PSCI] **Hours** 4

GEOLOGY 101 or 102 4

HISTORY 105 [ROOT] 3

MATH 106 or electives¹ 3

Second Term**Hours****8-15**

CHEM 102 or 106	4
ECONS 101 [SSCI]	3
ENGLISH 101 [WRTG]	3
GEOLOGY 210	4
MATH 108 <u>or</u> <u>electives</u> ¹	2
Second Year	
<i>First Term</i>	<i>Hours</i>
BIOLOGY 106 [BSCI]	4
ENVR SCI 101	4
GEOLOGY 350	4
PHYSICS 101 or 201	4
<i>Second Term</i>	<i>Hours</i>
GEOLOGY 315	3
Humanities [HUM]	3
MATH 140 [QUAN] or 171 [QUAN]	4
PHYSICS 102 or 202	4
Complete Writing Portfolio	
<i>Third Term</i>	<i>Hours</i>
Year 2 , Summer Session: GEOLOGY 307 ²	3
Third Year	
<i>First Term</i>	<i>Hours</i>
Creative & Professional Arts [ARTS]	3
ENGLISH 301 [WRTG] or 402 [WRTG]	3
GEOLOGY 320	3
SOIL SCI 368 <u>or</u> <u>ENVR SCI 310</u>	3
STAT 412	3
<i>Second Term</i>	<i>Hours</i>
COM 102 [COMM] or H D 205 [COMM]	3 or 4
Creative & Professional Arts [ARTS], Humanities [HUM], or Social Sciences [SSCI]	3
GEOLOGY 340 [M]	4
GEOLOGY 356	4
<i>Third Term</i>	<i>Hours</i>
Year 3 , Summer Session: GEOLOGY 308 408 [CAPS] [M]	3
Fourth Year	
<i>First Term</i>	<i>Hours</i>
<u>ENGLISH 301 or 402 [M]</u>	<u>3</u>

	<p>NATRS 300 or BIOLOGY 372 3 or 4</p> <p>Professional Electives¹³ 6</p> <p><u>Foreign language or Electives</u>⁴ 3 or 4</p> <p>Second Term Hours</p> <p>Diversity [DIVR] 3</p> <p>Experiential Elective² 3</p> <p>GEOLOGY 303 3</p> <p><u>NATRS 312 [DIVR]</u>⁵ 3</p> <p>Professional Electives¹³ 4</p> <p><u>Foreign language or Electives</u>⁴ 3 or 4</p> <hr/> <p>Footnotes</p> <p>¹ <u>MATH 106 and 108 are required courses. However, if students have tested into or taken MATH 140, 171, 172 or ALEKS with a 70% or better, MATH 106 and 108 will be waived.</u></p> <p>² <u>GEOLOGY 307 is the approved Experiential Elective for Earth Science majors. Certified students in the School of the Environment are required to fulfill the Experiential Requirement before graduation. This requirement is designed to give students experience that they will not receive in the traditional classroom oriented course, and to better prepare them for a successful career after graduation. There are various ways to complete this requirement, and students are encouraged to choose an experience of interest to them. SEE ADVISOR</u></p> <p>¹³ <u>Within the School of the Environment, professional electives are courses selected by the student in concert with their advisor that pertain to their major and/or to a specific sub-discipline of interest. Professional electives may also include courses from outside of their major as needed to complete a minor in another field of study. SEE ADVISOR. Approved courses include but are not limited to any 300-400-level CHEM, GEOLOGY, or SOIL SCI course.</u></p> <p>⁴ <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>⁵ <u>Alternative to NATRS 312 is ENVR SCI 444. Students choosing ENVR SCI 444 will need to take a [DIVR] course as an elective to fulfill University requirements</u></p>	
<p>Environment Revise graduation requirements for Bachelor of Science in Earth and Environmental Sciences - Wildlife Ecology and Conservation Sciences - Basic Plan</p>	<p>Wildlife Ecology and Conservation Sciences – Basic Plan (120 Hours)</p> <p>First Year</p> <p>First Term Hours</p> <p>BIOLOGY 106 [BSCI] 4</p> <p>ECONS 101 [SSCI] 3</p> <p>HISTORY 105 [ROOT] 3</p> <p>Humanities [HUM] 3</p> <p>MATH 106 <u>or</u> <u>electives</u>¹ 3</p> <p>Second Term Hours</p> <p>BIOLOGY 107 4</p> <p>CHEM 101 [PSCI] or 105 [PSCI] 4</p> <p>Creative & Professional Arts [ARTS] 3</p> <p>ENGLISH 101 [WRTG] 3</p>	<p>8-15</p>

MATH 108 <u>or electives</u> ¹	2
Second Year	
<i>First Term</i>	<i>Hours</i>
COM 102 [COMM] or H D 205 [COMM]	3 or 4
NATRS 204	2
NATRS 300 ²	3
NATRS 301	3
NATRS 310	3
<i>Second Term</i>	<i>Hours</i>
CHEM 102 or 106	4
NATRS 302	3
NATRS 312 [DIVR] ³	3
<u>MATH 140 [QUAN], 171 [QUAN], or STAT 212 [QUAN]</u>	4
<u>Foreign Language, if needed</u> ⁴	<u>0-4</u>
Complete Writing Portfolio	
Third Year	
<i>First Term</i>	<i>Hours</i>
<u>Animal Systematics course</u> ⁵	<u>4</u>
Creative & Professional Arts [ARTS], Humanities [HUM], or Social Sciences [SSCI]	3
<u>ENGLISH 301 or 402</u>	<u>3</u>
<u>SOIL SCI 368 or ENVR SCI 310 [M]</u>	<u>3</u>
<u>STAT 412</u>	<u>3</u>
Professional Electives ¹⁶	3
<u>Foreign Language, if needed</u> ⁴	<u>0-4</u>
<i>Second Term</i>	<i>Hours</i>
<u>Animal Systematics Course</u> ²	<u>4</u>
GEOLOGY 303	3
NATRS 431	3
NATRS 438	3
<u>NATRS 450 [M]</u>	<u>3</u>
NATRS 460 or GEOLOGY 315	3
<u>STAT 412</u>	<u>3</u>
Fourth Year	
<i>First Term</i>	<i>Hours</i>
<u>Diversity [DIVR]</u>	<u>3</u>
<u>ENGLISH 301 or 402 [M]</u>	<u>3</u>
<u>Experiential Elective</u> ⁷	<u>3</u>

	<p>Integrative Capstone [CAPS] 3</p> <p>NATRS 454 [CAPS] 3</p> <p>NATRS 435 4</p> <p>NATRS 450 [M] 3</p> <p>Professional Electives¹⁶ 2</p> <p>Second Term Hours</p> <p>Animal Systematics Course²⁵ 4</p> <p><u>Professional Electives</u>⁶ 3</p> <p>Experiential Elective³ 3</p> <p><u>NATRS 438</u> 3</p> <p>NATRS 441 4</p> <p>NATRS 446 [M] 3</p> <hr/> <p>Footnotes</p> <p>¹ <u>MATH 106 and 108 are required courses. However, if students have tested into or taken MATH 140, 171, 172 or ALEKS with a 70% or better, MATH 106 and 108 will be waived.</u></p> <p>² <u>Alternative to NATRS 300 is BIOLOGY 372.</u></p> <p>³ <u>Alternative to NATRS 312 is ENVR SCI 444. Students choosing ENVR SCI 444 will need to choose a [DIVR] course as an elective to fulfill University requirements.</u></p> <p>⁴ <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>²⁵ Choose two of the following Animal Systematics Courses: BIOLOGY 412, 423, 428, or 432 [M].</p> <p>¹⁶ Within the School of the Environment, professional electives are courses selected by the student in concert with their advisor that pertain to their major and/or to a specific sub-discipline of interest. Professional electives may also include courses from outside of their major as needed to complete a minor in another field of study. <u>SEE ADVISOR-Approved courses include but are not limited to: any CRM J course or any 200-400-level ANIM SCI, BIOLOGY, CHEM, ENVR SCI, MBIOS, NATRS or SOIL SCI course.</u></p> <p>³⁷ Certified students in the School of the Environment are required to fulfill the Experiential Requirement before graduation. This requirement is designed to give students experience that they will not receive in the traditional classroom oriented course, and to better prepare them for a successful career after graduation. There are various ways to complete this requirement, and students are encouraged to choose an experience of interest to them <u>Approved courses include ENVR SCI 495, NATRS 479 or as approved by advisor.</u></p>	
<p>Environment Revise graduation requirements for Bachelor of Science in Earth and Environmental Sciences - Wildlife Ecology and Conservation Sciences - Pre-Veterinary Plan</p>	<p>Wildlife Ecology and Conservation Sciences - Pre-Veterinary Plan (129-123 Hours)</p> <p>First Year</p> <p>First Term Hours</p> <p>BIOLOGY 106 [BSCI] 4</p> <p><u>CHEM 105 [PSCI]</u> 4</p> <p>COM 102 [COMM] or H D 205 [COMM] 3 or 4</p> <p>HISTORY 105 [ROOT] 3</p> <p>Humanities [HUM] 3</p> <p>MATH 106¹ 0-3</p> <p>Second Term Hours</p>	<p>8-15</p>

BIOLOGY 107	4
CHEM 105 [PSCI]	4
<u>CHEM 106</u>	4
ENGLISH 101 [WRTG]	3
<u>Humanities [HUM]</u>	3
MATH 108 ¹	0-2
NATRS 300 or BIOLOGY 372	3 or 4
Second Year	
<i>First Term</i>	<i>Hours</i>
<u>Creative & Professional Arts [ARTS], Humanities [HUM], or Social Sciences [SSCI]</u>	3
CHEM 106	4
ECONS 101 [SSCI]	3
NATRS 204	2
<u>NATRS 300²</u>	3
NATRS 301	3
NATRS 310	4
<i>Second Term</i>	<i>Hours</i>
Creative & Professional Arts [ARTS]	3
<u>Diversity [DIVR]</u>	3
ENGLISH 301 [WRTG] or 402 [WRTG] [M]	3
NATRS 302	3
<u>NATRS 312 [DIVR]³</u>	3
<u>MATH 140 [QUAN], 171 [QUAN], or STAT 212 [QUAN]</u>	4
Complete Writing Portfolio	
Third Year	
<i>First Term</i>	<i>Hours</i>
<u>Animal Systematics Elective⁴</u>	3 or 4
CHEM 345	4
NATRS 435	4
SOIL SCI 368 or ENVR SCI 310 [M]	3 or 4
STAT 412	3
<u>Foreign Language, if needed⁵</u>	0-4
<i>Second Term</i>	<i>Hours</i>
<u>Animal Systematics Elective¹</u>	4
NATRS 431	3
NATRS 438	3
NATRS 460 or GEOLOGY 315	3
PHYSICS 101	4

	<p><u>STAT 412</u> <u>3</u></p> <p><u>Foreign Language, if needed</u>⁵ <u>0-4</u></p> <p>Fourth Year</p> <p><i>First Term</i> <i>Hours</i></p> <p>BIOLOGY 301 4</p> <p>Creative & Professional Arts [ARTS], Humanities [HUM], or Social Sciences [SSCI] 3</p> <p><u>Experiential Elective</u>⁶ <u>3</u></p> <p>Integrative Capstone [CAPS] 3</p> <p><u>NATRS 454 [CAPS]</u> <u>3</u></p> <p>MBIOS 303 4</p> <p>NATRS 450 [M] 3</p> <p><u>PHYSICS 101</u> <u>4</u></p> <p><i>Second Term</i> <i>Hours</i></p> <p>Animal Systematics Elective¹⁴ 4</p> <p>Experiential Elective² 3</p> <p>GEOLOGY 303 or 390 3</p> <p>NATRS 441 4</p> <p>NATRS 446 [M] 3</p> <p><u>NATRS 450 [M]</u> <u>3</u></p> <hr/> <p>Footnotes</p> <p>¹ <u>MATH 106 and 108 are required courses. However, if students have tested into or taken MATH 140, 171, 172 or ALEKS with a 70% or better, MATH 106 and 108 will be waived.</u></p> <p>² <u>Alternative to NATRS 300 is BIOLOGY 372.</u></p> <p>³ <u>Alternative to NATRS 312 is ENVR SCI 444. Students choosing ENVR SCI 444 will need to choose a [DIVR] course as an elective to fulfill University requirements.</u></p> <p>¹⁴ <u>Choose two of the following Animal Systematics Courses: BIOLOGY 412, 423, 428, or 432 [M].</u></p> <p>⁵ <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>²⁶ <u>Certified students in the School of the Environment are required to fulfill the Experiential Requirement before graduation. This requirement is designed to give students experience that they will not receive in the traditional classroom oriented course, and to better prepare them for a successful career after graduation. There are various ways to complete this requirement, and students are encouraged to choose an experience of interest to them. SEE ADVISOR Approved courses include ENVR SCI 495, NATRS 479, or as approved by advisor.</u></p>	
<p>Foreign Languages and Cultures Revise graduation requirements for Bachelor of Arts in Foreign Languages and Culture – Spanish Option</p>	<p>Spanish (120 Hours)</p> <p>A minimum of 34 hours beyond the 203 level (or the equivalent level in competence) in the major language is required for a Bachelor of Arts degree in Foreign Languages and Cultures. <u>SPANISH</u> 101, 102, and 203 do not count toward the major. Students who place into 102 and receive a B or better qualify for an additional 4 departmental advanced placement credits; students placing into 203 or above and receiving a B or better qualify for 8 departmental advanced placement credits. A maximum of 8 departmental AP credits is possible. See department for details.</p>	<p>8-15</p>

Majors must complete either a minor in a second foreign language, a concentration of at least 16 credits in a related field, or a second major.

No course in which a C- or lower grade is earned will be counted toward the major or minor. 300-400-level courses taken pass, fail may not 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.

Majors and prospective majors are strongly encouraged to spend at least one semester abroad, living in the target culture and enhancing their fluency. Many accredited study abroad programs are available; students should work with their advisers in the selection of a program.

Of the 34 hours required for the major, a minimum of 15 must be taken in residence with 6 of these hours at the 400 level. A maximum of 12 credits per semester or 18 credits per year earned in a study abroad program may be applied toward the major. Credits for SPANISH 105, 205, 305, and 405 may not be applied toward the major or minor.

All majors must complete an exit proficiency examination during the semester in which they complete the last language course of their major. There is a fee charged for the exam.

First Year

<i>First Term</i>	<i>Hours</i>
ENGLISH 101 [WRTG]	3
FOR LANG 101, 110, 120, or 130, <u>or 220</u>	3
HISTORY 105 [ROOT]	3
SPANISH 101 (if necessary), or higher (102, 203, or 204)	4
Electives ⁺	3
<u>MATH 103 (if needed) or Electives¹</u>	<u>3</u>

<i>Second Term</i>	<i>Hours</i>
Biological Sciences [BSCI] with lab or SCIENCE 101 [SCI]	4
Creative & Professional Arts [ARTS]	3
<u>HISTORY 105 [ROOT]</u>	<u>3</u>
<u>Quantitative Reasoning [QUAN]</u>	<u>3</u>
SPANISH 102 (if necessary), or higher (203 or 204)	4
SPANISH 105	1
SPANISH 110, 111, 120, 121, 130, or 131	3

Second Year

<i>First Term</i>	<i>Hours</i>
<u>Biological Sciences [BSCI] with lab or SCIENCE 101 [SCI]²</u>	<u>4</u>

<u>Communication [COMM] or Written Communication [WRTG]</u>	<u>3</u>
MATH 103 (if necessary)	3
Physical Sciences [PSCI] with lab or SCIENCE 102 [SCI]	4
Social Sciences [SSCI]	3
SPANISH 203 (if necessary), or higher (204)	4
SPANISH 205	1
<u>Electives¹</u>	<u>3</u>
Second Term	Hours
Communication [COMM] or Written Communication [WRTG]	3
Humanities [HUM]	3
Quantitative Reasoning [QUAN] (105 recommended)	3
<u>Physical Sciences [PSCI] with lab or SCIENCE 102 [SCI]²</u>	<u>4</u>
SPANISH 204	4
SPANISH 205	<u>3</u>
<u>Electives¹</u>	<u>4</u>
Complete Writing Portfolio	
Third Year	
First Term	Hours
Diversity [DIVR]	3
SPANISH 306	3
SPANISH 307	3
SPANISH <u>Film/Literature/Culture Elective</u> ³ 310, 311, 320, 321, 350, 351, or 361	3
Electives or FOR LANG 440 if teaching major ¹	3
Second Term	Hours
Creative & Professional Arts [ARTS], Humanities [HUM], or Social Sciences [SSCI]	3
SPANISH 305	1
SPANISH 308	3
SPANISH <u>Film/Literature/Culture Elective</u> ³ 310, 311, 320, 321, 350, 351, or 361	3
300-400-level Electives ¹	<u>4</u>
Fourth Year	
First Term	Hours
SPANISH 407	3
SPANISH <u>450 [M], 451 [M], or 452 [M], or 453 [M]</u>	3
Electives ¹	9
Second Term	Hours
Integrative Capstone [CAPS]	3

	<p>SPANISH 305 1</p> <p>SPANISH 408 [M] 3</p> <p>SPANISH 450 [M], 451 [M], or 452 [M], or 453 [M] 3</p> <p>300-400-level Electives¹ 4</p> <p><u>Exit Proficiency Exam</u></p> <hr/> <p>Footnotes</p> <p>¹ Electives must be represented by a competence in a second foreign language up to and including 204; an approved university minor or a teaching minor; or a second major in another field.</p> <p>² <u>To meet University and College of Arts and Sciences requirements, students must take a [BSCI] course with lab and [PSCI] course with lab or SCIENCE 101 and 102. SCIENCE 101 is offered Fall semesters and is a prerequisite for SCIENCE 102. SCIENCE 102 is offered Spring semester.</u></p> <p>³ <u>Approved SPANISH Film/Literature/Culture Electives include (two courses): SPANISH 310, 311, 320, 321, 350, 351, 361, 362, 363, 364, 365, or as approved by advisor.</u></p>													
<p>History Revise graduation requirements for Bachelor of Arts in History - Education Option</p>	<p>History - Education Option (123 Hours)</p> <p>Students who wish to earn a teaching credential must apply to the Teacher Preparation Program in the College of Education. They should consult with an advisor in history about choosing additional electives that may apply toward a minor or second major and that complement a History endorsement.</p> <p>To certify in the History Education option, a student must have earned at least a 2.50 cumulative GPA.</p> <p>A grade of C or better is required in all history courses used to fulfill the requirements for this degree.</p> <p>The History Education major consists of 42 hours: 36 hours of History, including Hist 101, 102, 110, 111; one course from two of the following four sets: Hist 230, 231, 270, 271, 272-273, 275; and one more non-western/global course (for a total of three in this category); 21 hours of 300-400-level History, which must include 300, 422, 469; and 480. EconS 102, Pol S 101, and Psych 105 are also required to meet state certification guidelines (these can also fulfill UCOREs). History courses and courses cross-listed with History do not count as UCOREs.</p> <p>Students must have one year of a foreign language at the college level or two years at the high school level.</p> <p>First Year</p> <table border="0"> <thead> <tr> <th><i>First Term</i></th> <th><i>Hours</i></th> </tr> </thead> <tbody> <tr> <td><u>Biological Sciences [BSCI] with lab or SCIENCE 101 [SCI]¹</u></td> <td><u>4</u></td> </tr> <tr> <td>ENGLISH 101 [WRTG]</td> <td>3</td> </tr> <tr> <td>HISTORY 101 [M] [HUM]</td> <td>3</td> </tr> <tr> <td>HISTORY 105 [ROOT]</td> <td>3</td> </tr> <tr> <td>Quantitative Reasoning [QUAN]</td> <td>3 or 4</td> </tr> </tbody> </table>	<i>First Term</i>	<i>Hours</i>	<u>Biological Sciences [BSCI] with lab or SCIENCE 101 [SCI]¹</u>	<u>4</u>	ENGLISH 101 [WRTG]	3	HISTORY 101 [M] [HUM]	3	HISTORY 105 [ROOT]	3	Quantitative Reasoning [QUAN]	3 or 4	<p>8-15</p>
<i>First Term</i>	<i>Hours</i>													
<u>Biological Sciences [BSCI] with lab or SCIENCE 101 [SCI]¹</u>	<u>4</u>													
ENGLISH 101 [WRTG]	3													
HISTORY 101 [M] [HUM]	3													
HISTORY 105 [ROOT]	3													
Quantitative Reasoning [QUAN]	3 or 4													

<i>Second Term</i>	<i>Hours</i>
Biological Sciences [BSCI] with lab or SCIENCE 101 [SCI]	4
Creative & Professional Arts [ARTS]	3
ECONS 102 [SSCI], POL S 101 [SSCI], or PSYCH 105 [SSCI]¹²	3
ENGLISH 101 [WRTG]	3
HISTORY 102	3
Physical Sciences [PSCI] with lab or SCIENCE 102 [SCI]¹	4
Second Year	
<i>First Term</i>	<i>Hours</i>
200-level HISTORY 200-level course³	3
Creative & Professional Arts [ARTS]	3
ECONS 102 [SSCI], POL S 101 [SSCI], or PSYCH 105 [SSCI]¹²	3
ENGLISH 201 [WRTG], 301 [WRTG], or 302²⁴	3
HISTORY 110 [HUM]	3
Physical Sciences [PSCI] with lab or SCIENCE 102 [SCI]	4
<i>Second Term</i>	<i>Hours</i>
200-level HISTORY 200-level course³	3
Diversity [DIVR]	3
ECONS 102, POL S 101, or PSYCH 105¹²	3
HISTORY 111	3
Foreign Language, if needed	0-4
Complete Writing Portfolio	
Third Year	
<i>First Term</i>	<i>Hours</i>
300-400-level HISTORY courses Electives⁴⁵	6
HISTORY 300 [M]	3
TCH LRN 301	3
<i>Second Term</i>	<i>Hours</i>
300-400-level HISTORY course Electives⁴⁵	3
HISTORY 422	3
HISTORY 436 [CAPS] or 495 [CAPS]	3
Integrative Capstone [CAPS]	3
TCH LRN 317	2
Foreign Language or Electives	3-4
Fourth Year	
<i>First Term</i>	<i>Hours</i>

	<p>300-400-level HISTORY <u>course Electives</u>⁴⁵ 3</p> <p>HISTORY 469 [M] 3</p> <p>TCH LRN 464 3</p> <p>TCH LRN 465 3</p> <p>TCH LRN 466 2</p> <p>Second Term Hours</p> <p>ED PSYCH 468 3</p> <p>HISTORY 480 3</p> <p>TCH LRN 467 [M] 3</p> <p>TCH LRN 469 2</p> <p>TCH LRN 470 3</p> <p>Fifth Year</p> <p>First Term Hours</p> <p>TCH LRN 415 16</p> <hr/> <p>Footnotes</p> <p>¹ <u>To meet University and College of Arts and Sciences requirements, students must take a [BSCI] course with lab and [PSCI] course with lab or SCIENCE 101 and 102. SCIENCE 101 is offered Fall semesters and is a prerequisite for SCIENCE 102. SCIENCE 102 is offered Spring semester.</u></p> <p>¹² POL S 101 and ECONS 102 are state requirements for teacher certification in history and are recommended to fulfill UCORE or College of Arts and Sciences requirements; PSYCH 105 is required for admission to the Teacher Preparation Program.</p> <p>³ Choose one two from two <u>separate</u> categories: 1) <u>HISTORY 230 or 231</u>; 2) 270 or 271; 3) 272 or 273; 4) 275.</p> <p>²⁴ One from Engl <u>ENGLISH 201, 301, 302, or 402</u> is required for admission to the Teacher <u>Preparation-Education</u> Program. <u>Students who take ENGLISH 302 will need to take an additional [WRTG] or [COMM] course.</u></p> <p>⁴⁵ History education majors must choose their 12 hours of 300-400 electives from the following: one from HISTORY 411, 413, 414, 415, <u>or 416</u>; one from HISTORY 412, 417, 418, <u>or 419</u>; one from <u>HISTORY 340, 341, 342, 350, 381, 382, 386, 435, 440, 441, 444, 445, 447, 448, 450, 453, 454, 455, 459, 463, 466, 467, 468, or 489</u> European history course list (see advisor); and one from <u>HISTORY 306, 315, 331, 335, 337, 370, 373, 374, 387, 388, 425, 430, 432, 433, 434, 435, 436, 439, 464, 466, 472, 473, 474, 475, 476, 477, 483, 491, 492, 494, or 495</u> world history course list (see advisor).</p>	
<p>Integrated Plant Sciences Revise graduation requirements for Bachelor of Science in Integrated Plant Sciences - Field Crop Management Note: Only the terms and footnote that are revised are included.</p>	<p>Field Crop Management (120 Hours)</p> <p>First Year</p> <p>First Term Hours</p> <p>CHEM 101 [PSCI] or 105 [PSCI] 4</p> <p>ECONS 101 [SSCI] 3</p> <p>HISTORY 105 [ROOT] 3</p> <p>HORT / CROP SCI 102 3</p> <p><u>Humanities [HUM]</u> 3</p> <p><u>MATH 140 [QUAN]</u> 4</p>	<p>8-15</p>

	<p>Second Year</p> <p><i>First Term</i> <i>Hours</i></p> <p>BIOLOGY 106 [BSCI], 107 [BSCI], or 120 [BSCI] 4</p> <p>COM 102 [COMM] or H D 205 [COMM] 3 or 4</p> <p><u>Humanities [HUM]</u> 3</p> <p>MATH 140 [QUAN] 4</p> <p>SOIL SCI 201 3</p> <p>Electives 2</p> <hr/> <p>Footnotes</p> <p>² Major Electives (9 credits): AFS 302 [M]; CROP SCI 360, 401 [M], 445 [M], 495, 498, 499; ENTOM 361; HORT 357; SOIL SCI-422-442; and/or consult with your advisor.</p>	
<p>Integrated Plant Sciences Revise graduation requirements for Bachelor of Science in Integrated Plant Sciences - Fruit and Vegetable Management</p>	<p>Fruit and Vegetable Management (120 Hours)</p> <p>First Year</p> <p><i>First Term</i> <i>Hours</i></p> <p>CHEM 101 [PSCI] or 105 [PSCI] 4</p> <p>ECONS 101 [SSCI] or 102 [SSCI] 3</p> <p>HISTORY 105 [ROOT] 3</p> <p>HORT / CROP SCI 102 3</p> <p><i>Second Term</i> <i>Hours</i></p> <p>CHEM 102 or 106 4</p> <p>COM 102 [COMM] or H D 205 [COMM] 3 or 4</p> <p>ENGLISH 101 [WRTG] 3</p> <p>HORT / CROP SCI 202 4</p> <p>Humanities [HUM] 3</p> <p><u>STAT 212 [QUAN], MATH 140 [QUAN], 171 [QUAN], or 202 [QUAN]</u> 3 or 4</p> <p>Second Year</p> <p><i>First Term</i> <i>Hours</i></p> <p>BIOLOGY 106 [BSCI] or 120 [BSCI] 4</p> <p><u>COM 102 [COMM] or H D 205 [COMM]</u> 3 or 4</p> <p>Creative & Professional Arts [ARTS] 3</p> <p>SOIL SCI 201 3</p> <p>STAT 212 [QUAN], MATH 140 [QUAN], 171 [QUAN], or 202 [QUAN] 3 or 4</p> <p><i>Second Term</i> <i>Hours</i></p> <p>BIOLOGY 107 4</p> <p>HORT 251 4</p>	<p>8-15</p>

Sustainability Elective ¹	3
Electives	6
Complete Writing Portfolio	
Third Year	
<i>First Term</i>	<i>Hours</i>
<u>BIOLOGY 420</u>	3
Diversity [DIVR]	3
ENTOM 343 [M]	3
HORT 310	3
HORT 313	3
Pest Management Elective²	3
<i>Second Term</i>	<i>Hours</i>
ENTOM 351	3
Environmental HORT Elective ²	3
HORT 416 ³	3
Electives	6
<i>Third Term</i>	<i>Hours</i>
(Summer Session) HORT 399	1
Fourth Year	
<i>First Term</i>	<i>Hours</i>
BIOLOGY 420	3
HORT 320	3
HORT 418 [M]	3
PL P 300 or PL P 429	2 or 3
<u>Pest Management Elective⁴</u>	3
Sustainability Elective ¹	3
<i>Second Term</i>	<i>Hours</i>
400-500-level Seminar in CAHNRS	1
Advanced Fruit or Vegetable Elective ⁵	3
<u>HORT/VIT ENOL 409 or CROP SCI/SOIL SCI 412</u>	<u>1</u>
HORT 425 [M] [CAPS]	3
IPM 452	2
Pest Management Elective²	3
Soils <u>SOIL SCI 441</u>	3
<u>Electives</u>	<u>3</u>

Footnotes

¹ Sustainability Elective ~~courses~~ (6 credits): BIOLOGY 330, 372 [M]; ENVR SCI 101, 285, 469; SOIL SCI 101, 480; and/or consult with your as approved by advisor.

	<p>² Environmental Horticulture Elective <u>courses(3 credits):</u> HORT 231, 232, 331, 332, 340, 357; and/or consult with your advisor as approved by advisor.</p> <p>³ CROP SCI 411 [M] can be taken in the fall as an alternative to HORT 416.</p> <p>⁴ Pest Management Elective <u>courses(6 credits):</u> CROP SCI 305; PL P 300, 429; and/or as approved by consult with your advisor. <u>Courses cannot be used to fulfill more than one major requirement.</u></p> <p>⁵ Advanced Fruit or Vegetable Elective <u>courses(at least one course):</u> HORT 413 or 421 [M], or 490, <u>or as approved by advisor.</u></p>	
<p>Integrated Plant Sciences Revise graduation requirements for Bachelor of Science in Integrated Plant Sciences - Landscape, Nursery, and Greenhouse Management</p>	<p>Landscape, Nursery, and Greenhouse Management (120 Hours)</p> <p>First Year</p> <p><i>First Term</i> <i>Hours</i></p> <p>CHEM 101 [PSCI] or 105 [PSCI] 4</p> <p>COM 102 [COMM] or H D 205 [COMM] 3 or 4</p> <p>Creative & Professional Arts [ARTS] 3</p> <p>HISTORY 105 [ROOT] 3</p> <p>HORT / CROP SCI 102 3</p> <p><i>Second Term</i> <i>Hours</i></p> <p>CHEM 102 or 106 4</p> <p>ENGLISH 101 [WRTG] 3</p> <p>HORT / CROP SCI 202 4</p> <p><u>MATH 140 [QUAN], 171 [QUAN], 202 [QUAN], or STAT 212 [QUAN]</u> <u>3 or 4</u></p> <p>Humanities [HUM] 3</p> <p>Second Year</p> <p><i>First Term</i> <i>Hours</i></p> <p>BIOLOGY 106 [BSCI], 107 [BSCI], or 120 [BSCI] 4</p> <p>HORT 231 3</p> <p><u>Humanities [HUM]</u> <u>3</u></p> <p><u>MATH 140 [QUAN], 171 [QUAN], 202 [QUAN], or STAT 212 [QUAN]</u> <u>3 or 4</u></p> <p>SOIL SCI 201 3</p> <p>Electives 3</p> <p><i>Second Term</i> <i>Hours</i></p> <p>HORT 232 3</p> <p>HORT 251 4</p> <p>Social Sciences [SSCI] 3</p> <p>Electives 4</p> <p>Complete Writing Portfolio</p> <p>Third Year</p>	<p>8-15</p>

	<p><i>First Term</i> <i>Hours</i></p> <p>BIOLOGY 106, 107, or 120 4</p> <p>Diversity [DIVR] 3</p> <p>ENTOM 343 [M] 3</p> <p>Horticulture Electives¹ 3</p> <p>Electives 3</p> <p><i>Second Term</i> <i>Hours</i></p> <p>Advanced Plant Science Elective² <u>3 or 4</u></p> <p>ENTOM 351 3</p> <p>HORT 331 3</p> <p>Horticulture Electives¹ 3</p> <p>300-400-level Elective 3</p> <p><i>Third Term</i> <i>Hours</i></p> <p>(Summer Session) HORT 399 1</p> <p>Fourth Year</p> <p><i>First Term</i> <i>Hours</i></p> <p>Advanced Plant Science Elective² <u>3 or 4</u></p> <p>PL P 300 or 429 2 or 3</p> <p>Electives 9</p> <p><i>Second Term</i> <i>Hours</i></p> <p>400-500-level Seminar in CAHNRS³ 1</p> <p>HORT 357 3</p> <p>HORT 416 3</p> <p>HORT 425 [M] [CAPS] 3</p> <p>Horticulture Elective¹ <u>1-3</u></p> <p>SOIL SCI 302 [M] or 441 3</p> <hr/> <p>Footnotes</p> <p>¹ HORT Electives Approved Horticulture Electives (7-9 credits <u>minimum</u>): CROP SCI 301 [M], 305, 401 [M]; HORT 310, 313, 320, 332, 340, 341, 358; <u>and/or consult with your advisor as approved by advisor.</u></p> <p>² Advanced Plant Science Electives (6 credits): BIOLOGY 301, 332 [M], 372 [M], 409, 462; <u>CROP SCI/HORT 445 [M]; HORT 418 [M]; CROP SCI/HORT 445 [M]; NATRS 300, 450 [M], 454 [M], 464 [M]; and/or consult with your advisor as approved by advisor.</u></p> <p>³ <u>Seminar in CAHNRS (1 credit): AGTM 451; CROP SCI/SOIL SCI 412; HORT/VIT ENOL 409; or as approved by advisor.</u></p>	
<p>Integrated Plant Sciences Revise graduation requirements for Bachelor of Science in Integrated Plant Sciences - Turfgrass</p>	<p>Turfgrass Management (120 Hours)</p> <p>The Turfgrass Management major is geared toward students interested in pursuing careers as golf course managers, athletic field managers, or personnel managers in those venues. Students will take courses in turf management, turf production, plant pathology, entomology, soil fertility, and plant breeding to learn how to maintain healthy turfgrass systems.</p>	8-15

Management	<p>Additionally, students gain hands-on experience at the Palouse Ridge Golf Course, an new 18-hole championship golfing facility at the Pullman campus.</p>	
	First Year	
	<i>First Term</i>	<i>Hours</i>
	CHEM 101 [PSCI]	4
	COM 102 [COMM] or H D 205 [COMM]	3 or 4
	ENGLISH 101 [WRTG]	3
	HORT / CROP SCI 102	3
	<i>Second Term</i>	<i>Hours</i>
	CHEM 102	4
	Creative & Professional Arts [ARTS]	3
	HISTORY 105 [ROOT]	3
	HORT / CROP SCI 202	4
	<u>STAT 205 [QUAN] or 212 [QUAN]</u>	<u>3 or 4</u>
	Second Year	
	<i>First Term</i>	<i>Hours</i>
	BIOLOGY 107 [BSCI] or 120 [BSCI]	4
	<u>BIOLOGY 106 [BSCI]</u>	<u>4</u>
	Diversity [DIVR]	3
	ECONS 101 [SSCI]	3
	SOIL SCI 201	3
	Electives	3
	<i>Second Term</i>	<i>Hours</i>
	AGTM 412	3
	BIOLOGY 106	4
	<u>BIOLOGY 107 or 120</u>	<u>4</u>
	<u>Creative & Professional Arts [ARTS]</u>	<u>3</u>
	ENTOM 351	3
	Humanities [HUM]	3
	STAT 205 [QUAN] or 212 [QUAN]	3 or 4
	<u>Electives</u>	<u>3</u>
	Complete Writing Portfolio	
	Third Year	
	<i>First Term</i>	<i>Hours</i>
	AGTM 315	3
	CROP SCI 301 [M]	3
	CROP SCI 305	3

	<p>ECONS / BUSINESS Electives¹ 3</p> <p>ENTOM 343 [M] 3</p> <p>Second Term Hours</p> <p>AGTM 412 3</p> <p>CROP SCI / HORT Elective² 3</p> <p>IPM 452 2</p> <p>SOIL SCI 441 3</p> <p>SOIL SCI 442 2</p> <p>Electives 4</p> <p>Third Term Hours</p> <p>(Summer Session) CROP SCI 495, 498, or 499 3</p> <p>Fourth Year</p> <p>First Term Hours</p> <p>AGTM Electives³ 3</p> <p>CROP SCI 411 [M] 3</p> <p>PL P 429 3</p> <p>Electives 6</p> <p>Second Term Hours</p> <p>CROP SCI 401 [M] 3</p> <p>CROP SCI 412 1</p> <p>Integrative Capstone [CAPS] 3</p> <p>Electives 78</p> <hr/> <p>Footnotes</p> <p>¹ ECONS/BUSINESS Elective (3 credits): ACCTG 230; ECONS 350, 352; <u>MGMT 301</u>; and/or consult with your advisor.</p> <p>² CROP SCI/HORT Elective (3 credits): CROP SCI 302; HORT 231, 232, 331; and/or consult with your advisor.</p> <p>³ AGTM Electives (3 credits): AGTM 310, 314, 416; and/or consult with your advisor.</p>	
<p>Integrated Plant Sciences Revise graduation requirements for Bachelor of Science in Integrated Plant Sciences - Viticulture and Enology</p>	<p>Viticulture and Enology (120 Hours) The Viticulture and Enology major was created for students interested in wine-grape growing and winemaking, as well as contributing to critical research and development opportunities in the wine industry. This program offers the technical, scientific, and practical experience needed to gain the essential skills for producing high quality grapes and premium table wines. It prepares students for successful careers in the wine industry in Washington and beyond.</p> <p>First Year</p> <p>First Term Hours</p> <p>CHEM 101 [PSCI] or 105 [PSCI] 4</p> <p>COM 102 [COMM] or H D 205 [COMM] 3 or 4</p>	8-15

HISTORY 105 [ROOT]	3
HORT / CROP SCI 102	3
<i>Second Term</i>	<i>Hours</i>
CHEM 102 or 106	4
ENGLISH 101 [WRTG]	3
HORT / CROP SCI 202	4
Humanities [HUM]	3
<u>STAT 212 [QUAN]</u>	<u>4</u>
Second Year	
<i>First Term</i>	<i>Hours</i>
BIOLOGY 106 [BSCI] or 120 [BSCI]	4
CHEM 345	4
ECONS 101 [SSCI] or 102 [SSCI]	3
VIT ENOL 113	3
Electives	3
<i>Second Term</i>	<i>Hours</i>
BIOLOGY 107	4
Creative & Professional Arts [ARTS]	3
Diversity [DIVR]	3
<u>Humanities [HUM]</u>	<u>3</u>
SOIL SCI 201	3
STAT 212 [QUAN]	4
Complete Writing Portfolio	
Third Year	
<i>First Term</i>	<i>Hours</i>
BIOLOGY 420	3
ENTOM 343 [M]	3
<u>HORT/VIT ENOL 313</u>	<u>3</u>
MBIOS 303	4
PL P 300 ¹	2
VIT ENOL 313	3
<i>Second Term</i>	<i>Hours</i>
ENTOM 351	3
HORT/VIT ENOL 413	3
IPM 452	2
MBIOS 305	3
Specialization Electives ²	3
VIT ENOL 413	3

	<p>Third Term Hours</p> <p>(Summer Session) HORT/VIT ENOL 399 or <u>FS/VIT ENOL 496</u> 2</p> <p>Fourth Year</p> <p>First Term Hours</p> <p><u>FS/VIT ENOL 465</u> <u>3</u></p> <p><u>HORT/VIT ENOL 326</u> <u>3</u></p> <p><u>HORT/VIT ENOL 409</u> <u>1</u></p> <p>HORT 418 [M] 3</p> <p>Specialization Electives² 3</p> <p>VIT ENOL 326 3</p> <p>VIT ENOL 409 1</p> <p>VIT ENOL 465 3</p> <p>Second Term Hours</p> <p><u>FS/VIT ENOL 422</u> <u>3</u></p> <p><u>FS/VIT ENOL 435</u> <u>3</u></p> <p>HORT 416 3</p> <p>HORT 425 [M] [CAPS] [M] 3</p> <p>Specialization Electives² 3</p> <p>VIT ENOL 422 3</p> <p>VIT ENOL 435 3</p> <hr/> <p>Footnotes</p> <p>¹ PL P 429 can be taken as an alternative, but PL P 300 is recommended for this major.</p> <p>² <u>Approved</u> Specialization Electives <u>courses include</u> (9 credits): AGTM 315; BIOLOGY 421; CHEM 220/222; CROP SCI 305, 403; ECONS 351; ENVR SCI 486; any FS including 303 [M], 416, 423, 460, 462, 470; <u>FS/VIT ENOL 466</u>; GEOLOGY 322, 323; HBM 350, 358, 480; any HORT including 251, 421 [M], 495, 499; MATH 140; MBIOS 301, 306; MKTG 360; PHYSICS 101; SOIL SCI <u>302 [M]</u>, 374, 414, 415, 441, 442, 468; VIT ENOL 466; and/or as approved by <u>consult with your</u> advisor.</p>	
<p>Music Revise graduation requirements for Bachelor of Arts in Music Education - Broad Endorsement Option</p>	<p>Music Education - Broad Endorsement Option (141 <u>147</u> Hours)</p> <p>First Year</p> <p>First Term Hours</p> <p>Applied MUS (300 level) 2</p> <p>ENGLISH 101 [WRTG] 3</p> <p>Humanities [HUM] 3</p> <p>MUS 181¹ 0 or 1</p> <p>MUS 251² 3</p> <p>MUS 252² 1</p>	<p>8-15</p>

MUS Ensemble ³	1
PSYCH 105 [SSCI]	3
<u>Quantitative Reasoning [QUAN]</u>	<u>3 or 4</u>
<i>Second Term</i>	<i>Hours</i>
Applied MUS (300 level)	2
ENGLISH 201 [WRTG]	3
<u>HISTORY 105 [ROOT]</u>	3
MUS 164	1
MUS 182 ¹	0 or 1
MUS 190	1
MUS 253 ⁴	3
MUS 254 ⁴	1
MUS Ensemble ³	1
Quantitative Reasoning [QUAN]	3 or 4
Second Year	
<i>First Term</i>	<i>Hours</i>
Applied MUS (300 level)	2
<u>Biological Sciences [BSCI] with lab or SCIENCE 101 [SCI]⁵</u>	<u>4</u>
HISTORY 105 [ROOT]	3
MUS 281 ¹	0 or 1
MUS 351 ²	3
MUS 352 ²	1
MUS 491 ²	2
MUS Ensemble ³	1
TCH LRN 301	3
<i>Second Term</i>	<i>Hours</i>
Applied MUS (300 level)	2
MUS 281 ¹	0 or 1
MUS 353 ⁴	3
MUS 354 ⁴	1
MUS 359 [HUM] [M] ^{4 5}	3
MUS 490 ⁴	3
MUS Ensemble ³	1
TCH LRN 317	2
May Field Experience	
Certify Major, Certify TCH LRN	
Complete Writing Portfolio	
Third Year	
<i>First Term</i>	<i>Hours</i>

Applied MUS (300 level)	2
<u>Creative & Professional Arts [ARTS]</u>	<u>3</u>
MUS 360 [M] ²	3
MUS 482 ²	1
MUS 488 ⁶	2
MUS Ensemble ³	1
TCH LRN 464	3
TCH LRN 465	3
<i>Second Term</i>	<i>Hours</i>
Applied MUS (300 level)	2
Biological Sciences [BSCI] with lab or SCIENCE 101 [SCI] ⁷	4
<u>Humanities [HUM]</u>	<u>3</u>
<u>MUS 282</u>	<u>1</u>
MUS 361 ^{4,5}	3
MUS 483 ⁴	1
MUS 489 ⁸⁷	2
MUS Ensemble ³	1
Physical Sciences [PSCI] with lab or SCIENCE 102 [SCI] ⁷⁵	4
Fourth Year	
<i>First Term</i>	<i>Hours</i>
Applied MUS (400 level)	2
<u>Diversity [DIVR]</u>	<u>3</u>
Integrative Capstone [CAPS]	3
MUS 435 or 428	1
MUS 455	2
MUS 480 ⁶	3
MUS 493 ⁶	2
TCH LRN 470	3
<i>Second Term</i>	<i>Hours</i>
Creative & Professional Arts [ARTS]	3
Diversity [DIVR]	3
ED PSYCH 468	3
MUS 282	1
MUS 487 ⁸⁷	2
MUS 494 ⁸⁷	2
<u>TCH LRN 467</u>	<u>3</u>
TCH LRN 469	2
<u>TCH LRN 470</u>	<u>3</u>
Fifth Year	

	<p>First Term</p> <table style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 80%;">MUS 497</td> <td style="text-align: right; width: 20%;">4</td> </tr> <tr> <td>TCH LRN 415</td> <td style="text-align: right;">12</td> </tr> </table> <hr/> <p>Footnotes</p> <p>¹ Class piano credits not required in degree.</p> <p>² Fall only.</p> <p>³ Chosen from MUS 428-, 431, 432, 433, 434, 435, 436, 437, 438, 439, 440, 441, 444.</p> <p>⁴ Spring only.</p> <p>⁵ <u>To meet University and College of Arts and Sciences requirements, students must take a [BSCI] course with lab and [PSCI] course with lab or SCIENCE 101 and 102. SCIENCE 101 is offered Fall semester and is a prerequisite for SCIENCE 102. SCIENCE 102 is offered Spring semester.</u></p> <p>⁵ MUS 359 fulfills the College of Arts and Sciences additional 3-unit requirement.</p> <p>⁶ Fall, alternate years only.</p> <p>⁷ Two lab sciences required to fulfill the College of Arts and Sciences Requirement.</p> <p>⁸ Spring, alternate years only.</p>	MUS 497	4	TCH LRN 415	12																														
MUS 497	4																																		
TCH LRN 415	12																																		
<p>Veterinary Medicine Revise graduation requirements for Doctor of Veterinary Medicine - Professional Curriculum</p>	<p>DVM Professional Curriculum (137 <u>154</u> Hours)</p> <p>The professional curriculum for the Doctor of Veterinary Medicine degree is outlined below. A total of 154 <u>154</u> semester hours are required for graduation. All courses required in the professional program are 500-600-level <u>professional</u> courses.</p> <p>Fourth Year: The fourth year begins immediately after the end of the spring semester of the third year (May) and continues for 12 consecutive months. Fourth-year professional students are required to enroll in course work for a minimum of 44 credits <u>weeks of</u> in their final year. All students must participate in mandatory clinical rotations in the large- and small-animal clinics, including emergency services and anesthesia. In addition, each student must select elective opportunities in their area of interest. All students must prepare and present a senior paper under faculty supervision.</p> <p>First Year</p> <table style="width: 100%; border-collapse: collapse;"> <tr> <td colspan="2">First Term</td> <td style="text-align: right;">Hours</td> </tr> <tr> <td>VET MED 510</td> <td></td> <td style="text-align: right;">5</td> </tr> <tr> <td>VET MED 511</td> <td></td> <td style="text-align: right;">5</td> </tr> <tr> <td>VET MED 513</td> <td></td> <td style="text-align: right;">4</td> </tr> <tr> <td>VET MED 568</td> <td></td> <td style="text-align: right;">2</td> </tr> <tr> <td><u>VET MED 586</u></td> <td></td> <td style="text-align: right;"><u>1</u></td> </tr> <tr> <td colspan="2">Second Term</td> <td style="text-align: right;">Hours</td> </tr> <tr> <td>VET MED 512</td> <td></td> <td style="text-align: right;">4 <u>3</u></td> </tr> <tr> <td>VET MED 520</td> <td></td> <td style="text-align: right;">5</td> </tr> <tr> <td>VET MED 521</td> <td></td> <td style="text-align: right;">3</td> </tr> <tr> <td>VET MED 534</td> <td></td> <td style="text-align: right;">3</td> </tr> </table>	First Term		Hours	VET MED 510		5	VET MED 511		5	VET MED 513		4	VET MED 568		2	<u>VET MED 586</u>		<u>1</u>	Second Term		Hours	VET MED 512		4 <u>3</u>	VET MED 520		5	VET MED 521		3	VET MED 534		3	<p>8-15</p>
First Term		Hours																																	
VET MED 510		5																																	
VET MED 511		5																																	
VET MED 513		4																																	
VET MED 568		2																																	
<u>VET MED 586</u>		<u>1</u>																																	
Second Term		Hours																																	
VET MED 512		4 <u>3</u>																																	
VET MED 520		5																																	
VET MED 521		3																																	
VET MED 534		3																																	

VET MED 545	3
VET MED 580	1
Second Year	
<i>First Term</i>	<i>Hours</i>
VET MED 522	<u>32</u>
VET MED 535	3
VET MED 536	4
VET MED 546	6
VET MED 589	3
<i>Second Term</i>	<i>Hours</i>
VET MED 523	3
VET MED 537	4
VET MED 543	2
VET MED 561	2
VET MED 587	<u>23</u>
VET MED 588	3
<u>VET MED 585</u>	<u>2</u>
Third Year	
<i>First Term</i>	<i>Hours</i>
VET MED 502	1
VET MED 524	3
VET MED 551	5
VET MED 553	3
VET MED 554	1
VET MED 569	4
VET MED 578	3
VET MED 585	2
<i>Second Term</i>	<i>Hours</i>
VET MED 500	1
VET MED 552	3
VET MED 570	3
VET MED 571	4
VET MED 572	2
VET MED 576	1
VET MED 590	1
<u>VET MED 596</u>	<u>1</u>
VET MED 598	1
Fourth Year	

<i>First Term</i>	<i>Hours</i>
<u>Equine Elective</u> ¹	<u>2</u>
<u>Medicine Elective</u> ²	<u>4</u>
<u>Supplemental Electives</u> ³	<u>14</u>
<u>Surgery Elective</u> ⁴	<u>2</u>
VET MED 600	1
VET MED 605	2
VET MED 606	2
VET MED 607	2
VET MED 608	2
VET MED 609	2
VET MED 628	2
VET MED 629	2
<i>Second Term</i>	<i>Hours</i>
VET MED 630	2
VET MED 650	3
<u>VET MED 656</u>	<u>2</u>
VET MED 674	1
VET MED 675	2
VET MED 690	2
VET MED 691	4
VET MED 699	1
<hr/>	
<u>Footnotes</u>	
¹ <u>Select one from VET MED 628 or 629.</u>	
² <u>Select two from VET MED 609, 620, or 621.</u>	
³ <u>Courses to be chosen in consultation with advisor. Approved courses include 600-level VET MED courses. Courses may not be used to fulfill more than one requirement unless they are repeated for additional credit.</u>	
⁴ <u>VET MED 608, or advisor-approved 698 course.</u>	