

UNDERGRADUATE AND PROFESSIONAL MAJOR CHANGE BULLETIN NO. 11

Spring 2015

---REQUIREMENTS---

The requirements listed below reflect the undergraduate major curricular changes approved by the Catalog Subcommittee since approval of the last Undergraduate Major Change Bulletin. All changes are underlined. Deletions are crossed out. 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 Security	<p>Agriculture and Food Security (120 Hours)</p> <p>Third Year</p> <p><i>Second Term</i> <i>Hours</i></p> <p><u>SOIL SCI/AFS 302 [M]</u>² 3</p> <p>AFS Core Systems Elective³ 3 or 4</p> <p>IPM 452 3</p> <p>Electives 6</p> <p>Fourth Year</p> <p><i>Second Term</i> <i>Hours</i></p> <p>400-500-level Seminar in any CAHNRS Dept⁴ 1</p> <p>AFS 401 [CAPS] 3</p> <p>SOIL SCI 441 3</p> <p>Electives 6</p> <hr/> <p>Footnotes</p> <p>² SOIL SCI 414/ <u>and</u> 415 can be taken as an alternative to SOIL SCI/AFS 302. However another [M] course will be required.</p> <p>³ 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>⁴ 400-500-level Seminar: <u>AGTM 451; CROP SCI/SOIL SCI 412; HORT/VIT ENOL 409;</u> or as approved by advisor.</p>	8-15
Animal Sciences Revise graduation requirements for Bachelor of Science in Animal Sciences – Animal Management	<p>Animal Management (120 Hours)</p> <p>A student may certify as an animal sciences major after completion of 24 semester hours, including ANIM SCI 101, and a cumulative gpa<u>GPA</u> of 2.0 or better.</p> <p>At least 40 of the total hours required for the bachelor's degree in this program must be in 300-400-level courses.</p> <p>First Year</p>	8-15

<i>First Term</i>	<i>Hours</i>
ANIM SCI 101	3
ANIM SCI 180	1
CHEM 101 [PSCI] or 105 [PSCI]	4
HISTORY 105 [ROOT]	3
MATH 107 or 140 <u>Requirement</u> ¹	4
<i>Second Term</i>	<i>Hours</i>
ANIM SCI 178 or 280	4
BIOLOGY 106 [BSCI]	4
CHEM 102 or 106	4
COM 102 [COMM] or HD 205	3
H D 205 [COMM] (recommended) or <u>other [COMM] course</u>	4 or 3
ENGLISH 101 [WRTG]	3
Second Year	
<i>First Term</i>	<i>Hours</i>
ACCTG 230	3
ANIM SCI 172 or 174	4
BIOLOGY 107 [BSCI]	4
Creative & Professional Arts [ARTS]	3
<u>Lab Management Requirement</u> ²	1
<u>MATH Requirement and/or Electives</u> ¹	36
<i>Second Term</i>	<i>Hours</i>
ANIM SCI <u>Group 1 Electives</u> ³	3
B LAW 210	3
<u>Business and Economics Course</u> ⁴	3
ECONS 101 [SSCI]	3
Humanities [HUM]	3
STAT 212 [QUAN], 412, or <u>PSYCH 311</u> ⁵	3-4
Complete Writing Portfolio	
Third Year	
<i>First Term</i>	<i>Hours</i>
ANIM SCI 260, 274, 285, or 346	2 or 3
ANIM SCI 313	4
ANIM SCI 330	3
ANIM SCI 380	1
ANIM SCI 399 <u>or 499</u>	1
<u>ANIM SCI Group 1 Elective</u> ³	<u>2 or 3</u>
<u>Business and Economics Course</u> ⁴	<u>3</u>

	<u>ECONS 350</u>	3
	<i>Second Term</i>	<i>Hours</i>
	ANIM SCI 314, 345, or 360	3
	ANIM SCI 350	3
	ANIM SCI 351	1
	<u>ANIM SCI Group 1 Elective³</u>	<u>3</u>
	Diversity [DIVR]	3
	ENGLISH 301 or 402 [M]	3
	<u>VET CLIN 361, 367, or VET PH 308</u>	<u>3 or 4</u>
	Fourth Year	
	<i>First Term</i>	<i>Hours</i>
	Ag Sciences Elective ⁶	3
	ANIM SCI 399 or 499	3
	ANIM SCI 440 or 488 [M]	3
	ANIM SCI 454	2
	ANIM SCI 464 [<u>CAPS</u>] [M] or 472 [M] ⁸	3
	<u>ANIM SCI Group 2 Electives⁷</u>	<u>6</u>
	<u>Electives</u>	<u>3</u>
	<i>Second Term</i>	<i>Hours</i>
	ANIM SCI 408, 473, or 474 [CAPS] [M]	3
	ANIM SCI Upper Division Elective	3
	<u>ANIM SCI Group 2 Electives⁷</u>	<u>6</u>
	Integrative Capstone [CAPS]	3
	Electives	<u>6-8</u>
	Footnotes	
	¹ <u>MATH requirement may be satisfied by completing MATH 106 and 108, 140 [QUAN], or 171 [QUAN].</u>	
	² <u>Lab Management Requirement courses include (One course): ANIM SCI 178, 280 (Spring-only), 172, or 174 (Fall-only).</u>	
	³ <u>Approved ANIM SCI Group 1 Electives include (Two courses): ANIM SCI 260, 274, 285, 314, 345, 346, 360, and other courses as approved by advisor.</u>	
	⁴ <u>Approved Business and Economics Electives include (Two courses): ACCTG 230; B LAW 210; ECONS 330, 335, 350, 351, 352, 450 [M], and other courses as approved by advisor.</u>	
	⁵ <u>Students who have not yet completed a [QUAN] course should select STAT 212.</u>	
	⁶ <u>Ag Sciences Electives are: any level AFS, AFTM, CROP SCI, ENTOM, FS, HORT, NATRS, and SOIL SCI course. To meet University requirements for upper division coursework, students may need to select a 300-400 level course.</u>	
	⁷ <u>ANIM SCI Group 2 Electives must include one [M] course. Students may choose any of the following courses that have not been used to fulfill another requirement (Four courses): ANIM SCI 314, 345, 346, 360, 378, 408 [M], 440 [M], 451 [M], 454, 460, 473 [M], 474 [CAPS] [M], 478 [M], 485 [M], 488 [M], and other courses as approved by advisor.</u>	
	⁸ <u>ANIM SCI 474 may be taken as an alternative in Spring semester.</u>	
Animal Sciences Revise graduation	Pre-Veterinary Medicine/Science (120 Hours)	8-15

<p>requirements for Bachelor of Science in Animal Science – Pre-Veterinary Medicine/Science</p>	<p>A student may certify as an animal sciences major after completion of 24 semester hours, including ANIM SCI 101, and a cumulative gpaGPA of 2.0 or better. At least 40 of the total hours required for the bachelor's degree in this program must be in 300-400-level courses.</p>	
	<p>First Year</p>	
	<i>First Term</i>	<i>Hours</i>
	ANIM SCI 101	3
	ANIM SCI 180	1
	CHEM 105 [PSCI]	4
	HISTORY 105 [ROOT]	3
	MATH 107 <u>Requirement¹</u>	<u>3-4</u>
	<i>Second Term</i>	<i>Hours</i>
	BIOLOGY 106 [BSCI]	4
	CHEM 106	4
	ENGLISH 101 [WRTG]	3
	MATH 140-recommended <u>Requirement¹</u> , or Electives	<u>2-4</u>
	Second Year	
	<i>First Term</i>	<i>Hours</i>
	ANIM SCI 172 or 174	4
	BIOLOGY 107	4
	CHEM 345	4
	COM 102 [COMM] or H D 205 [COMM]	<u>3 or 4</u>
	Creative & Professional Arts [ARTS]	3
	<i>Second Term</i>	<i>Hours</i>
	ANIM SCI 178 or 280	4
	Humanities [HUM]	3
	<u>Lab Management Requirement²</u>	<u>1</u>
	M BIOS 301-303	4
	STAT 212 [QUAN], 412 or <u>PSYCH 311³</u>	<u>3 or 4</u>
	VET CLIN 361	3
	<u>Electives</u>	<u>3</u>
	Complete Writing Portfolio	
	Third Year	
	<i>First Term</i>	<i>Hours</i>
	ANIM SCI 285 or 346	3
	ANIM SCI 313	4
	ANIM SCI 330	3

	ANIM SCI 380	1	
	<u>200-300-level ANIM SCI Electives⁴</u>	<u>3</u>	
	ECONS 101 [SSCI]	3	
	<u>MBIOS 301</u>	<u>4</u>	
	<i>Second Term</i>	<i>Hours</i>	
	ANIM SCI 314, 345, or 360	3	
	ANIM SCI 350	3	
	ANIM SCI 351	1	
	<u>200-300-level ANIM SCI Electives⁴</u>	<u>3</u>	
	Diversity [DIVR]	3	
	<u>ECONS 101 [SSCI]</u>	<u>4</u>	
	ENGLISH 301 or 402	3	
	MBIOS 303	4	
	<u>PHYSICS 101</u>	<u>4</u>	
	Fourth Year		
	<i>First Term</i>	<i>Hours</i>	
	ANIM SCI 440 or 488 [M]	3	
	ANIM SCI 464 [CAPS] [M], or 472 [M], or 474 [CAPS] [M]	3	
	<u>ENGLISH 301 or 402 [M]</u>	<u>3</u>	
	PHYSICS 101	4	
	<u>400-level ANIM SCI Electives⁵</u>	<u>56</u>	
	<u>Electives</u>	<u>3</u>	
	<i>Second Term</i>	<i>Hours</i>	
	<u>400-level ANIM SCI Electives [M]⁵</u>	<u>3</u>	
	ANIM SCI 499	1	
	<u>BIOLOGY 324, or VET PH 308, or VET CLIN 361</u>	<u>3 or 4</u>	
	Integrative Capstone [CAPS] <u>or Electives</u>	3	
	<u>300-400 level Electives</u>	<u>37</u>	
	Footnotes		
	¹ <u>MATH requirement may be satisfied by completing MATH 106 and 108, 140 [QUAN], or 171 [QUAN].</u>		
	² <u>Lab Management Requirement courses include (One course): ANIM SCI 178, 280 (Spring-only), 172, or 174 (Fall-only).</u>		
	³ <u>Students who have not yet completed a [QUAN] course should select STAT 212.</u>		
	⁴ <u>Select two courses from: ANIM SCI 260, 274, 285, 314, 345, 346, 360, or as approved by advisor.</u>		
	⁵ <u>Select three courses from any course not used to fill a major requirement. Students are required to complete two [M] courses to meet University requirements: ANIM SCI 408 [M], 440, 451, 454, 460, 464 [CAPS] [M], 472 [M], 473 [M], 474 [CAPS] [M], 478 [M], 485 [M], 488 [M], or as approved by advisor.</u>		
ASIA Revise graduation	Asian Studies (120 Hours)		8-15

requirements for
Bachelor of Arts in
Asia Studies.

A minimum of 40 hours of courses on Asia, including 16 hours of an appropriate language and 18 hours at the 300 level or above, are required. 18 of the 40 credits of the Asia major must be earned at WSU.

First Year

<i>First Term</i>	<i>Hours</i>
Biological Sciences [BSCI] with lab or SCIENCE 101 [SCI] ¹	4
ENGLISH 101 [WRTG]	3
Foreign Language Elective ⁴²	4
HISTORY 105 [ROOT]	3
<u>Quantitative Reasoning [QUAN]</u>	<u>3 or 4</u>

<i>Second Term</i>	<i>Hours</i>
ASIA 270 or 314	3
<u>Diversity [DIVR]</u>	<u>3</u>
Foreign Language Elective ⁴²	4
<u>HISTORY 105 [ROOT]</u>	<u>3</u>
Humanities [HUM]	3
<u>Physical Sciences [PSCI] with lab or SCIENCE 102 [SCI]¹</u>	<u>4</u>
Quantitative Reasoning [QUAN]	3 or 4
Electives	3

Second Year

<i>First Term</i>	<i>Hours</i>
ASIA <u>120, 121, 131, 275, or 315</u>	3
ASIA <u>270, 272, 273, 280, or 306</u>	3
Foreign Language Elective ⁴²	4
<u>Humanities [HUM]</u>	<u>3</u>
Physical Sciences [PSCI] with lab or SCIENCE 102 [SCI]	4
<u>Electives</u>	<u>3</u>

<i>Second Term</i>	<i>Hours</i>
Communication [COMM] or Written Communication [WRTG]	3
Creative & Professional Arts [ARTS]	3
Foreign Language Elective ⁴²	4
Major Coursework ³	3
Social Sciences [SSCI]	3
Complete Writing Portfolio	

Third Year

<i>First Term</i>	<i>Hours</i>
-------------------	--------------

	<p>300-400-level Electives 9</p> <p><u>ASIA 270 or 314 [M]</u> 3</p> <p><u>Diversity [DIVR]</u> 3</p> <p>Major Coursework³ 3</p> <p><u>300-400-level Electives</u> 9</p> <p>Second Term Hours</p> <p>300-400-level <u>Major Electives</u>⁴ 9</p> <p>Creative & Professional Arts [ARTS], Humanities [HUM], or Social Sciences [SSCI] 3</p> <p><u>Writing in the Major Coursework</u> [M] 3</p> <p>Fourth Year</p> <p>First Term Hours</p> <p><u>FOR LANG 410 [CAPS] or ASIA 473 [CAPS]</u> 3</p> <p><u>Integrative Capstone [CAPS]</u> 3</p> <p>Major Coursework³ 3</p> <p>300-400-level <u>Major Electives</u>⁴ 9</p> <p>Second Term Hours</p> <p>300-400-level Electives 12</p> <p>Major Coursework³ 3</p>	
	<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>² 16 hours of college level study of a single Asian language (e.g., CHINESE/JAPANESE 101, 102, 203, 204). Languages not taught at WSU may be studied through distance learning programs, intensive summer courses, etc. For the second year of languages not taught at WSU, students may substitute 8 hours of any Asian study abroad credit. Although native speakers of an Asian language may be exempt from the language requirement and take 16 additional credit hours of ASIA courses, they are encouraged to complete a minimum of one year college level study of a different Asian language.</p> <p>³ <u>Disciplinary Distribution of Major Coursework: 12 hours (6 hours minimum from each of the following groups): Asia humanities courses; and Asia social science courses (6 credits, minimum). Choose from ANTH 306, ASIA 301; HISTORY 270, 271, 272, or 275. Asia Humanities courses (6 credits, minimum). Choose from CHINESE 111, 120, 121, 131; FINE ART 302 [M]; FOR LANG 130, 220; HISTORY 273, 370 373, 374; JAPANESE 120; PHIL 280, 314 [M], or 315 [M].</u></p> <p>⁴ <u>Additional requirements: A minimum of 18 hours of 300-400-level ASIA courses; and 6 hours of Writing in the Major [M] courses. Note: Courses may be used to satisfy requirements in more than one of the above categories. Students should consult their advisor to determine when courses are offered. Relevant 300-400-level courses not cross-listed with ASIA may be counted toward a major or minor if approved by the Director of the Asia Program. Study Abroad is very strongly encouraged. Contact your advisor and the Education Abroad Office for more information. Geographic Distribution of Major Coursework (Optional): Students who complete a minimum of 9 hours on a specific region or country will receive a certificate of concentration within Asian Studies on that particular region or country (e.g. East Asia, South Asia, Middle East, China, Japan).</u></p>	
Asia Revise requirements	Certificate in East Asian Studies for Business Majors	8-15

<p>for Certificate in East Asian Studies for Business Majors</p>	<p>(Minor)</p> <p>The Certificate in East Asian Studies for College of Business Majors requires a total of 17 credit hours and is open to any declared College of Business undergraduate major in good standing.</p> <p>The requirements are: CHINESE 101 and 102 or JAPANESE 101 and 102 or other East Asia Language available through study abroad; one from ASIA 121, 275, 315, 373, 374, 475, 476, or 477; ASIA 479; and one from I BUS 380, HBM/I BUS 435, MGTOP/I BUS 453, 482, ECONS 327/I BUS 470, <u>or</u> FIN/I BUS 481 or MKTG/I BUS 482.</p> <p>Students who complete two semesters of foreign language beyond the one-year requirement may waive three credits required from ASIA 121, 275, 315, 374, 475, or 477. Study abroad is encouraged and appropriate credit toward completion of certificate will be accepted at the discretion of the Asia Program Director. No more than 4 hours earned at other institutions that may apply towards the certificate and no more than 4 hours may be pass/fail. Native speakers of an East Asian language may waive the foreign language requirement, but must take eight additional hours from the list of “cultural survey” courses (see department for an approved list). A minimum cumulative GPA of 2.0 is required for successful completion of the certificate.</p>	
<p>Asia Revise requirements for Certificate in East Asian Studies for Engineering and Architecture Majors</p>	<p>Certificate in East Asian Studies for Engineering and Architecture Majors (Minor)</p> <p>The Certificate in East Asian Studies for College of Engineering and Architecture Majors requires a total of 17 credit hours and is open to any declared College of Engineering and Architecture undergraduate major in good standing.</p> <p>The requirements are: CHINESE 101 and 102 or JAPANESE 101 and 102 or other East Asia Language available through study abroad; two from ASIA 121, 274, 315, 373, 374, 475, 476, or 477; and ASIA 479. Students who complete two semesters of foreign language beyond the one-year requirement may waive three credits required from ASIA 121, 275, 315, 374, 475, or 477. Study abroad is encouraged and appropriate credit toward completion of certificate will be accepted at the discretion of the Asia Program Director. No more than 4 hours earned at other institutions that may apply towards the certificate and no more than 4 hours may be pass/fail. Native speakers of an East Asian</p>	<p>8-15</p>

	language may waive the foreign language requirement, but must take eight additional hours of courses from the list of “cultural survey” courses (see department for an approved list). A minimum cumulative GPA of 2.0 is required for successful completion of the certificate.	
Critical Culture, Gender, & Race Studies Revise requirements for minor in Comparative Ethnic Studies	Comparative Ethnic Studies Students may complete a minor in Comparative Ethnic Studies (CES). For the minor, students are expected to fulfill all the University’s requirements for graduation, <u>either CES 101 or CES 201</u> , as well as an <u>additional 48 15</u> hours of coursework in CES, nine hours of which must be 300-400 level courses taken in residence at WSU or through WSU-approved education abroad or educational exchange courses.	8-15
Economic Sciences Revise graduation requirements for Bachelor of Science in Economic Science – Quantitative Economics	Quantitative Economics (120 Hours) First Year <i>First Term</i> <u>Biological Sciences [BSCI] or SCIENCE 101 [SCI]</u> ¹ <i>Hours</i> <u>4 or 3</u> ECONS 101 [SSCI] or 102 [SSCI] 3 HISTORY 105 [ROOT] 3 Humanities [HUM] 3 MATH 171 [QUAN] [†] 4 Electives 2 <i>Second Term</i> <i>Hours</i> Biological Sciences [BSCI] or SCIENCE 101 [SCI] ² 3 or 4 ECONS 101 or 102 3 ENGLISH 101 [WRTG] 3 MATH 172 4 <u>Physical Sciences [PSCI] or SCIENCE 102 [SCI]</u> ¹ <u>3 or 4</u> Electives 2 Second Year <i>First Term</i> <i>Hours</i> COM 102 [COMM], <u>210 [COMM]</u> , or H D 205 [COMM] 3 or 4 Diversity [DIVR] 3 ECONS 301 3 ECONS Emphasis Course ³² <u>2 or 3</u> <u>Humanities [HUM]</u> <u>3</u> Physical Sciences [PSCI] or SCIENCE 102 [SCI] ² 3 or 4	8-15

<i>Second Term</i>	<i>Hours</i>
Creative & Professional Arts [ARTS]	3
ECONS 302	3
ECONS Emphasis Course ³²	3
MATH 220 ⁺	2
STAT 212 or MGTOP 215	4
Complete Writing Portfolio	

Third Year

<i>First Term</i>	<i>Hours</i>
ECONS 300-400-level Elective ³	3
ECONS 311 [M]	3
ECONS Emphasis Course ³²	3
Electives	6

<i>Second Term</i>	<i>Hours</i>
ECONS 300-400-level Elective ³	3
ECONS 420	3
ECONS 424	3
Electives	6

Fourth Year

<i>First Term</i>	<i>Hours</i>
ECONS 400-500-level Elective ³	3
ECONS 483, 495, 497, 499, or HONORS 450	3
ECONS 526	3
<u>MATH 364, 401, or ECONS 526</u>	<u>3</u>
ECONS 527 <u>or MATH 420 or ECONS 527</u>	<u>3</u>
Electives	3

<i>Second Term</i>	<i>Hours</i>
ECONS 400-500-level Elective ³	3
ECONS 490 [CAPS] [M]	3
ECONS 525, STAT 360, or STAT 443	3
<u>ENGLISH 301, 402 [M], or 403 [M]</u>	<u>3</u>
<u>STAT 360, 443, or ECONS 525</u>	<u>3</u>
<u>Integrative Capstone [CAPS]</u>	<u>3</u>
<u>Electives</u>	<u>3</u>

Footnotes

⁺ MATH 171 and 220 are required.

¹² For a total of 7 units—one Biological Science [BSCI] and one Physical Science [PSCI] course, including one lab course, or 8 units of SCIENCE 101 [SCI] and 102 [SCI]. SCIENCE 101 is offered Fall semester and is a prerequisite for SCIENCE 102. SCIENCE

	102 is offered Spring semester. ³² Economics Emphasis Courses (3 courses required from one area): (1) Math: MATH 273, MATH-301 , and MATH-315 ; (2) Management Operations: MGTOP 340, MGTOP-412 , and MGTOP-452 ; (3) Computer Science: CPT S 121, CPT-S-122 , and CPT-S 224 .	
Economic Sciences Revise requirements for minor in Business Economics	Business Economics To be eligible to certify in a business economics minor, students must have a cumulative 2.0 gpa <u>GPA</u> . A minor in economics requires 18 hours of ECONS courses, nine of which must be at the 300-400 level with an overall 2.0 gpa <u>GPA</u> in the required courses and taken in residence at WSU or through WSU-approved education abroad or educational exchange courses. ECONS 101 and 102 (or 198 and a 300/400-level ECONS course), 320 , <u>305</u> or 321, <u>320</u> , <u>326</u> or 327 or 326 , and 404 are required.	8-15
Economic Sciences Revise requirements for minor in Environmental and Resource Economics and Management	Environmental and Resource Economics and Management The minor in Environmental and Resource Economics and Management requires 16 hours. The following courses are required: ECONS 330, <u>430</u> , 431, 432 , or <u>and</u> 433; <u>one of</u> ECONS 301, or 305, or 326; and 4 elective credits in ECONS. 9 hours of upper-division work must be taken in residence at WSU or through WSU-approved education abroad or educational exchange courses. A student wishing to declare a minor should consult with an advisor as early as possible to develop the required program.	8-15
Economic Sciences Revise requirements for minor in Sustainable Development	Sustainable Development The program offers a minor in sustainable development. The minor is comprised of ECONS 326, one course from each of the following four aspect areas: policy, history, <u>and</u> theory (ARCG HD 202 , CRS 435 , ENVR SCI 335 <u>[M]</u> , HISTORY 409, HISTORY 494, NATRS 438, PHIL 370, POL S 430, or PSYCH 466); environmental (ARCH 490, ARCH 494, BIOLOGY 330, BIOLOGY 372 <u>[M]</u> , CE 401, CROPS SCI 360, ENVR SCI 101, ENVR-SCI 285, ENVR-SCI/GEOLOGY 303, ENVR-SCI 444, <u>GEOLOGY</u> 303 or NATRS 300, or SOIL-SCI 301 <u>[M]</u>); social/cultural (ANTH 203, ANTH 309, ANTH/SOC 418, NATRS 312, SOC 331, SOC 332, SOC 415, SOC 430, WOMEN ST 332, or WOMEN-ST 460); economic (ECONS 330, ECONS 427, ECONS 428, ECONS 430, ECONS 431, I	8-15

	<p>BUS 380, or IBUS 496); and one additional course from any of the aspect areas. The minor requires 18 credit hours, with at least 9 hours at the 300-400-level taken in residence at WSU or through WSU-approved education abroad or educational exchange courses. All coursework for the minor must be graded and a minimum gpa <u>GPA</u> of 2.0 shall be maintained. Students wishing to apply for the minor may do so with the Department of Economics <u>School of Economics Sciences</u>.</p>																																																									
<p>Educational Leadership, Sport Studies, and Educational/Counseling Psychology Revise graduation requirements for Bachelor of Arts in Sport Management</p>	<p>Sport Management (12<u>10</u> Hours)</p> <p>First Year</p> <table border="0"> <thead> <tr> <th style="text-align: left;"><i>First Term</i></th> <th style="text-align: right;"><i>Hour s</i></th> </tr> </thead> <tbody> <tr> <td><u>Biological Sciences [BSCI] or SCIENCE 101 [SCI]¹</u></td> <td style="text-align: right;"><u>3 or 4</u></td> </tr> <tr> <td><u>Diversity [DIVR]</u></td> <td style="text-align: right;"><u>3</u></td> </tr> <tr> <td>ENGLISH 101 [WRTG]</td> <td style="text-align: right;">3</td> </tr> <tr> <td>HISTORY 105 [ROOT]</td> <td style="text-align: right;">3</td> </tr> <tr> <td>Humanities [HUM]</td> <td style="text-align: right;">3</td> </tr> <tr> <td>Social Sciences [SSCI]</td> <td style="text-align: right;">3</td> </tr> <tr> <td>Electives</td> <td style="text-align: right;">3</td> </tr> <tr> <td colspan="2"> </td> </tr> <tr> <th style="text-align: left;"><i>Second Term</i></th> <th style="text-align: right;"><i>Hour s</i></th> </tr> <tr> <td>Biological Sciences [BSCI] or SCIENCE 101 [SCI]¹</td> <td style="text-align: right;">3 or 4</td> </tr> <tr> <td>COM 102 [COMM]</td> <td style="text-align: right;">3</td> </tr> <tr> <td>Diversity [DIVR]</td> <td style="text-align: right;">3</td> </tr> <tr> <td><u>HISTORY 105 [ROOT]</u></td> <td style="text-align: right;"><u>3</u></td> </tr> <tr> <td>MATH 205 [QUAN]</td> <td style="text-align: right;">3</td> </tr> <tr> <td><u>Physical Sciences [PSCI] or SCIENCE 102 [SCI]¹</u></td> <td style="text-align: right;"><u>4 or 3</u></td> </tr> <tr> <td>Electives</td> <td style="text-align: right;">3</td> </tr> <tr> <td colspan="2"> </td> </tr> <tr> <td colspan="2">Second Year</td> </tr> <tr> <td colspan="2"> </td> </tr> <tr> <th style="text-align: left;"><i>First Term</i></th> <th style="text-align: right;"><i>Hour s</i></th> </tr> <tr> <td>ACCTG 230</td> <td style="text-align: right;">3</td> </tr> <tr> <td>Creative & Professional Arts [ARTS]</td> <td style="text-align: right;">3</td> </tr> <tr> <td>Physical Sciences [PSCI] or SCIENCE 102 [SCI]¹</td> <td style="text-align: right;">4 or 3</td> </tr> <tr> <td>SPMGT 276</td> <td style="text-align: right;">3</td> </tr> <tr> <td>Electives</td> <td style="text-align: right;"><u>3</u>6</td> </tr> <tr> <td colspan="2"> </td> </tr> <tr> <th style="text-align: left;"><i>Second Term</i></th> <th style="text-align: right;"><i>Hour</i></th> </tr> </tbody> </table>	<i>First Term</i>	<i>Hour s</i>	<u>Biological Sciences [BSCI] or SCIENCE 101 [SCI]¹</u>	<u>3 or 4</u>	<u>Diversity [DIVR]</u>	<u>3</u>	ENGLISH 101 [WRTG]	3	HISTORY 105 [ROOT]	3	Humanities [HUM]	3	Social Sciences [SSCI]	3	Electives	3	 		<i>Second Term</i>	<i>Hour s</i>	Biological Sciences [BSCI] or SCIENCE 101 [SCI]¹	3 or 4	COM 102 [COMM]	3	Diversity [DIVR]	3	<u>HISTORY 105 [ROOT]</u>	<u>3</u>	MATH 205 [QUAN]	3	<u>Physical Sciences [PSCI] or SCIENCE 102 [SCI]¹</u>	<u>4 or 3</u>	Electives	3	 		Second Year		 		<i>First Term</i>	<i>Hour s</i>	ACCTG 230	3	Creative & Professional Arts [ARTS]	3	Physical Sciences [PSCI] or SCIENCE 102 [SCI]¹	4 or 3	SPMGT 276	3	Electives	<u>3</u> 6	 		<i>Second Term</i>	<i>Hour</i>	<p>8-15</p>
<i>First Term</i>	<i>Hour s</i>																																																									
<u>Biological Sciences [BSCI] or SCIENCE 101 [SCI]¹</u>	<u>3 or 4</u>																																																									
<u>Diversity [DIVR]</u>	<u>3</u>																																																									
ENGLISH 101 [WRTG]	3																																																									
HISTORY 105 [ROOT]	3																																																									
Humanities [HUM]	3																																																									
Social Sciences [SSCI]	3																																																									
Electives	3																																																									
<i>Second Term</i>	<i>Hour s</i>																																																									
Biological Sciences [BSCI] or SCIENCE 101 [SCI]¹	3 or 4																																																									
COM 102 [COMM]	3																																																									
Diversity [DIVR]	3																																																									
<u>HISTORY 105 [ROOT]</u>	<u>3</u>																																																									
MATH 205 [QUAN]	3																																																									
<u>Physical Sciences [PSCI] or SCIENCE 102 [SCI]¹</u>	<u>4 or 3</u>																																																									
Electives	3																																																									
Second Year																																																										
<i>First Term</i>	<i>Hour s</i>																																																									
ACCTG 230	3																																																									
Creative & Professional Arts [ARTS]	3																																																									
Physical Sciences [PSCI] or SCIENCE 102 [SCI]¹	4 or 3																																																									
SPMGT 276	3																																																									
Electives	<u>3</u> 6																																																									
<i>Second Term</i>	<i>Hour</i>																																																									

	<i>s</i>
Area of Specialization ²	6
SPMGT 290	3
SPMGT 394	2
Electives	6
Complete Writing Portfolio	
Third Year	
<i>First Term</i>	<i>Hour</i>
	<i>s</i>
Area of Specialization ²	6
SPMGT 365 or 367 [M]	3
SPMGT 374	3
SPMGT 377	3
SPMGT 394	1
<i>Second Term</i>	<i>Hour</i>
	<i>s</i>
Area of Specialization ²	6
ENGLISH 402	3
SPMGT 365 or 367	3
SPMGT 394	1
<u>SPMGT 464</u>	<u>3</u>
<u>SPMGT 468 [M]</u>	<u>3</u>
SPMGT 489	3
Fourth Year	
<i>First Term</i>	<i>Hour</i>
	<i>s</i>
<u>Area of Specialization²</u>	<u>3</u>
<u>ENGLISH 402</u>	<u>3</u>
Integrative Capstone [CAPS]	3
SPMGT 464	3
SPMGT 468	3
SPMGT 488	2
<u>SPMGT 489</u>	<u>3</u>
SPMGT 490	1
Electives	4
<i>Second Term</i>	<i>Hour</i>
	<i>s</i>
SPMGT 491	10-12

	<p>Footnotes</p> <p>¹ For a total of 7 units—one Biological Science [BSCI] and one Physical Science [PSCI] course, including one lab course, or 8 units of SCIENCE 101 [SCI] and 102 [SCI]. SCIENCE 101 is offered Fall semester and is a prerequisite for SCIENCE 102. SCIENCE 102 is offered Spring semester.</p> <p>² <u>21 credits in area of specialization required. Business Specialization: any ECONS course or course offered by the College of Business except ACCTG 230. Communication Specialization: Any course offered by the College of Communication.</u></p>																																																							
<p>Educational Leadership, Sport Studies, and Educational/Counseling Psychology Revise graduation requirements for Bachelor of Science in Kinesiology – Health and Fitness Teacher Certificate</p>	<p>Health and Fitness Teacher Certificate (BS Kinesiology) (143 <u>139</u> Hours)</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>CHEM 101 [PSCI] or 105 [PSCI]</td> <td>4</td> </tr> <tr> <td>ENGLISH 101 [WRTG]</td> <td>3</td> </tr> <tr> <td>KINES 199</td> <td>3</td> </tr> <tr> <td>PE ACTIV 112 <u>Course¹</u></td> <td>1</td> </tr> <tr> <td>PSYCH 105 [SSCI]</td> <td>3</td> </tr> <tr> <td>STATS 212 [QUAN]</td> <td><u>4</u></td> </tr> <tr> <td>MATH requirement, if needed</td> <td></td> </tr> <tr> <td>Second Term</td> <td>Hours</td> </tr> <tr> <td>BIOLOGY <u>BIOLOGY 102 [BSCI] or 106 [BSCI]</u></td> <td>4</td> </tr> <tr> <td>BIOLOGY 140</td> <td>4</td> </tr> <tr> <td>HISTORY 105 [ROOT]</td> <td>3</td> </tr> <tr> <td>KINES 264</td> <td>3</td> </tr> <tr> <td>PE ACTIV <u>Elective Course¹</u></td> <td>1</td> </tr> <tr> <td>TCH LRN 300</td> <td><u>4</u></td> </tr> <tr> <td>Second Year</td> <td></td> </tr> <tr> <td>First Term</td> <td>Hours</td> </tr> <tr> <td>ENGLISH 201 [WRTG], <u>301 [WRTG], 302 [M], or 402 [WRTG] [M]²</u></td> <td>3</td> </tr> <tr> <td>KINES 262</td> <td>4</td> </tr> <tr> <td>PE ACTIV <u>Elective Course¹</u></td> <td>1</td> </tr> <tr> <td>PSYCH 105 [SSCI]</td> <td><u>3</u></td> </tr> <tr> <td>STATS 212 [QUAN]</td> <td>4</td> </tr> <tr> <td>TCH LRN 301</td> <td><u>23</u></td> </tr> <tr> <td>Certify in Education and Major</td> <td></td> </tr> <tr> <td>Second Term</td> <td>Hours</td> </tr> <tr> <td>BIOLOGY 251</td> <td>4</td> </tr> <tr> <td>Humanities [HUM]</td> <td>3</td> </tr> </tbody> </table>	<i>First Term</i>	<i>Hours</i>	CHEM 101 [PSCI] or 105 [PSCI]	4	ENGLISH 101 [WRTG]	3	KINES 199	3	PE ACTIV 112 <u>Course¹</u>	1	PSYCH 105 [SSCI]	3	STATS 212 [QUAN]	<u>4</u>	MATH requirement, if needed		Second Term	Hours	BIOLOGY <u>BIOLOGY 102 [BSCI] or 106 [BSCI]</u>	4	BIOLOGY 140	4	HISTORY 105 [ROOT]	3	KINES 264	3	PE ACTIV <u>Elective Course¹</u>	1	TCH LRN 300	<u>4</u>	Second Year		First Term	Hours	ENGLISH 201 [WRTG], <u>301 [WRTG], 302 [M], or 402 [WRTG] [M]²</u>	3	KINES 262	4	PE ACTIV <u>Elective Course¹</u>	1	PSYCH 105 [SSCI]	<u>3</u>	STATS 212 [QUAN]	4	TCH LRN 301	<u>23</u>	Certify in Education and Major		Second Term	Hours	BIOLOGY 251	4	Humanities [HUM]	3	<p>8-15</p>
<i>First Term</i>	<i>Hours</i>																																																							
CHEM 101 [PSCI] or 105 [PSCI]	4																																																							
ENGLISH 101 [WRTG]	3																																																							
KINES 199	3																																																							
PE ACTIV 112 <u>Course¹</u>	1																																																							
PSYCH 105 [SSCI]	3																																																							
STATS 212 [QUAN]	<u>4</u>																																																							
MATH requirement, if needed																																																								
Second Term	Hours																																																							
BIOLOGY <u>BIOLOGY 102 [BSCI] or 106 [BSCI]</u>	4																																																							
BIOLOGY 140	4																																																							
HISTORY 105 [ROOT]	3																																																							
KINES 264	3																																																							
PE ACTIV <u>Elective Course¹</u>	1																																																							
TCH LRN 300	<u>4</u>																																																							
Second Year																																																								
First Term	Hours																																																							
ENGLISH 201 [WRTG], <u>301 [WRTG], 302 [M], or 402 [WRTG] [M]²</u>	3																																																							
KINES 262	4																																																							
PE ACTIV <u>Elective Course¹</u>	1																																																							
PSYCH 105 [SSCI]	<u>3</u>																																																							
STATS 212 [QUAN]	4																																																							
TCH LRN 301	<u>23</u>																																																							
Certify in Education and Major																																																								
Second Term	Hours																																																							
BIOLOGY 251	4																																																							
Humanities [HUM]	3																																																							

KINES 361	3
PE_ACTIVE Elective Course ¹	1
PSYCH 230	3
TCH LRN 317	2
Complete May Practicum	
Complete Writing Portfolio	
Third Year	
<i>First Term</i>	<i>Hours</i>
Creative & Professional Arts [ARTS]	3
Diversity [DIVR]	3
KINES 266	3
KINES 312 [M]	3
KINES 393	1
KINES 484	3
PE_ACT Elective	4
<i>Second Term</i>	<i>Hours</i>
Integrative Capstone [CAPS]	3
KINES 461 [M]	3
KINES 462	3
KINES 483	3
PE_ACTIV Elective Course	1
SOC 101	3
Fourth Year	
<i>First Term</i>	<i>Hours</i>
KINES 311	3
KINES 380	3
KINES 481	3
TCH LRN Block I	8
<u>TCH LRN 464</u>	<u>3</u>
<u>TCH LRN 465</u>	<u>3</u>
<u>TCH LRN 466</u>	<u>2</u>
<i>Second Term</i>	<i>Hours</i>
<u>ED PSYCH 468</u>	<u>3</u>
KINES 313	3
KINES 314	3
TCH LRN Block II	11
<u>TCH LRN 467</u>	<u>3</u>
<u>TCH LRN 469</u>	<u>2</u>
<u>TCH LRN 470</u>	<u>3</u>

	<p>Fifth Year</p> <p><i>First Term</i> <i>Hours</i></p> <p>Block III: TCH LRN 415 (student teaching) 16</p> <hr/> <p>Footnotes</p> <p>¹ 5 PE ACTIV courses required. Must include PE ACTIV 112, 114, 120/121, and 132.</p> <p>² One from ENGLISH 201, 301, 302 [M] or 402 is required for admission to the Teacher Preparation Education Program. Students who take ENGLISH 302 will need to take an additional [WRTG] or [COMM] course.</p>	
<p>Electrical Engineering and Computer Science Revise footnote 3 for Bachelor of Science in Computer Engineering</p>	<p>Computer Engineering Requirements (123 Hours)</p> <hr/> <p>Footnotes</p> <p>³ Senior Design Electives adhere to one of the following sequences: (1) ASIC & Digital Systems: E E 434 416 and 416 434; ASIC & Digital Systems; E E 466 and E E 416: VLSI Design; (2) Embedded and Microcomputer Systems: Cpt S CPT S 466 and E E 416: Embedded and Microcomputer Systems; (3) VLSI Design: E E 466 and 416.</p>	<p>8-15</p>
<p>Engineering and Computer Science WSU-V Revise certification requirements and footnote 1 for Bachelor of Science in Computer Science – WSU Vancouver only</p>	<p>Bachelor of Science, Computer Science Requirements (Vancouver Only) (120 Hours)</p> <p>Minimum qualifications for certification in computer science are:</p> <ol style="list-style-type: none"> 1. Completion of MATH 171, MATH 172, CS 121, CS 122, CS 216, CS 224, CS 260, CS 261, and PHYSICS 201, or their equivalents, with a grade of C or better. 2. A cumulative GPA of 2.0 or better. 3. Students must be in good academic standing when they apply for certification with a 2.0 GPA or better in their prior semester's coursework. <hr/> <p>Footnotes</p> <p>¹ 18 credit hours of option area courses are required for completion of the degree program. The option courses must be chosen from 300-400-level upper division (CS 3XX and CS 4XX) computer science CPT S courses and may also include up to 6 hours from the following list: MATH 315, MATH 448, MATH 453, ECE 324, ECE 366, and ECE 424. Other computer science-related courses may be substituted, as approved by the department.</p>	<p>8-15</p>
<p>Engineering and Computer Science WSU-V Revise graduation requirements for Bachelor of Science in Mechanical Engineering – WSU Vancouver only</p>	<p>Bachelor of Science, Mechanical Engineering Requirements (Vancouver Only) (121 Hours)</p> <p>Students who have completed at least 30 semester hours of course work and who have completed Chem CHEM 105; Math MATH 220, 273; Mech MECH 211, 212, 215; and Phys PHYSICS 201 or their equivalents are eligible for certification into the Bachelor of Science in Mechanical Engineering program. All courses required for certification must be completed with a grade of C or better. Enrollment in many upper-division mechanical engineering courses is restricted to certified majors or minors in mechanical engineering.</p> <p>When it becomes necessary to limit enrollment, the overall gpaGPA as well as the gpaGPA for the prerequisite courses listed will be important</p>	<p>8-15</p>

	<p>factors. Students who have not completed all of the prerequisite courses will be placed in a pre-engineering major.</p> <p>No courses listed in this schedule of studies may be taken on a pass/fail basis. All upper-division mechanical engineering courses must be completed with a minimum 2.0 average gpaGPA.</p> <p>Second Year</p> <p><i>Second Term</i> <i>Hours</i></p> <p>Biological Sciences [BSCI] or SCIENCE 101 [SCI] 3 or 4</p> <p>MATH 315 3</p> <p>MECH 212 3</p> <p>MECH 215 3</p> <p>PHYSICS 202 4</p> <p>Complete Writing Portfolio</p>	
<p>English Change title and revise graduation requirements for Bachelor of Arts in English – Teaching Option</p>	<p>English - Teaching Option with Certification (120 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]</u>¹ <u>4</u></p> <p>ENGLISH 101 [WRTG] 3</p> <p>HISTORY 105 [ROOT] 3</p> <p>Humanities [HUM][†] 3</p> <p><u>Foreign Language or Electives</u> <u>3-4</u></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><u>HISTORY 105 [ROOT]</u> <u>3</u></p> <p><u>Physical Sciences [PSCI] with lab or SCIENCE 102 [SCI]</u>¹ <u>4</u></p> <p>PSYCH 105 [SSCI]² 3</p> <p>Quantitative Reasoning [QUAN] 3</p> <p><u>Foreign Language or Electives</u> <u>3-4</u></p> <p>Second Year</p> <p><i>First Term</i> <i>Hours</i></p> <p><u>Communication [COMM] or Written Communication [WRTG]</u> <u>3</u></p> <p>Creative & Professional Arts [ARTS], Humanities [HUM], or Social Sciences [SSCI] 3</p> <p><u>Diversity [DIVR]</u> <u>3</u></p> <p><u>ENGLISH 301 or 302 [M]</u> <u>3</u></p>	<p>8-15</p>

ENGLISH 302, or Communication [COMM] or Written Communication [WRTG]	3
ENGLISH 326	3
Physical Sciences [PSCI] with lab or SCIENCE 102 [SCI]	4
Social Sciences [SSCI]	3
<i>Second Term</i>	<i>Hours</i>
American Literature Elective²	3
Diversity [DIVR]	3
ENGLISH 205, 305, or 306	3
ENGLISH 325	3
ENGLISH 326	3
ENGLISH 370, 371, 372, or 373	6
English or Humanities Elective³	3
Complete Writing Portfolio	
Third Year	
<i>First Term</i>	<i>Hours</i>
ENGLISH 324 [M]	3
ENGLISH 325	3
ENGLISH 370, 371, 372, or 373	3
English or Humanities Elective³	3
English Literature Elective⁴	3
Writers from Marginalized Groups Elective⁵	3
TCH LRN 301	3
Apply to College of Education Teacher Certification Program	
<i>Second Term</i>	<i>Hours</i>
ENGLISH 324	3
ENGLISH 323	3
English or Humanities Elective	3
Integrative Capstone [CAPS]	3
TCH LRN 317	2
TCH LRN 464	3
TCH LRN 465	3
TCH LRN 466	2
Electives	3
Fourth Year	
<i>First Term</i>	<i>Hours</i>
ED PSYCH 468	3
ENGLISH 323	3
English or Humanities Elective³	3

	<p>TCH LRN 464 3</p> <p>TCH LRN 465 3</p> <p>TCH LRN 466 2</p> <p>TCH LRN 467 [M] 3</p> <p>TCH LRN 469 2</p> <p>TCH LRN 470 3</p> <p>Second Term Hours</p> <p>ED PSYCH 468 3</p> <p>English or Humanities Elective 3</p> <p>TCH LRN 415 16</p> <p>TCH LRN 467 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 with 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>Choose from ENGLISH 210, 368, 371, 372, 470, 480, 481, or 482.</u></p> <p>³ <u>At least one from HUMANITY 101, 103, 302 [M], 303 [M], 304 [M], 335, 350, 410, or 450 is required. Other approved courses include ENGLISH 210, 366, 368, 370, 371, 372, 373, 419, and 480-489. Upper-division courses are not recommended for first-year students.</u></p> <p>²⁴ <u>Required for admission to the certification program. Choose from ENGLISH 336, 370, 373, 419, 483, 484, 485, 486, 487, 488, 489, HUMANITY 302 [M], 303 [M], 304, 335, 338, 350, 410, or 450.</u></p> <p>³⁵ <u>Must include one Choose from ENGLISH [M] course- 309, 311, 314 [M], 317, 321, 322 [M], 341 [M], 345 [M], or 409.</u></p>	
<p>English Change title and revise graduation requirements for Bachelor of Arts in English – Teaching Without Certificate Option.</p>	<p>English - Teaching Without Certificate–Certification Option (120 Hours)</p> <p>First Year</p> <p>First Term Hours</p> <p><u>Biological Sciences [BSCI] with lab or SCIENCE 101 [SCI]¹</u> 4</p> <p><u>Creative & Professional Arts [ARTS]</u> 3</p> <p>ENGLISH 101 [WRTG] 3</p> <p>HISTORY 105 [ROOT] 3</p> <p>Humanities [HUM][†] 3</p> <p>Social Sciences [SSCI] 3</p>	8-15

<i>Second Term</i>	<i>Hours</i>
Biological Sciences [BSCI] with lab or SCIENCE 101 [SCI]	4
Communication [COMM] or Written Communication [WRTG]	3
Creative & Professional Arts [ARTS]	3
HISTORY 105 [ROOT]	3
Physical Sciences [PSCI] with lab or SCIENCE 102 [SCI]¹	4
Quantitative Reasoning [QUAN]	3
Social Sciences [SSCI]	3
Electives	6

Second Year

<i>First Term</i>	<i>Hours</i>
Creative & Professional Arts [ARTS], Humanities [HUM], or Social Sciences [SSCI]	3
Diversity [DIVR]	3
ENGLISH 301 or 302 [M], or Communication [COMM] or Written Communication [WRTG]	3
Physical Sciences [PSCI] with lab or SCIENCE 102 [SCI]	4
Electives	6

<i>Second Term</i>	<i>Hours</i>
American Literature Elective²	3
ENGLISH 205, 305, or 306	3
ENGLISH 326	3
ENGLISH 370, 371, 372, or 373	6
Electives	46
Complete Writing Portfolio	

Third Year

<i>First Term</i>	<i>Hours</i>
Creative & Professional Arts [ARTS], Humanities [HUM], or Social Sciences [SSCI]	3
ENGLISH 325	3
English or Humanities Electives³	3
Writers from Marginalized Groups Elective⁴	3
Electives	6

<i>Second Term</i>	<i>Hours</i>
ENGLISH 324 [M]	3
English or Humanities Electives³	3
Integrative Capstone [CAPS]	3
300-400-level Electives	6

	<p>Fourth Year</p> <table border="0"> <tr> <td><i>First Term</i></td> <td style="text-align: right;"><i>Hours</i></td> </tr> <tr> <td>ENGLISH 323</td> <td style="text-align: right;">3</td> </tr> <tr> <td>English or Humanities Electives³</td> <td style="text-align: right;">3</td> </tr> <tr> <td>300-400-level Electives</td> <td style="text-align: right;">9</td> </tr> <tr> <td><i>Second Term</i></td> <td style="text-align: right;"><i>Hours</i></td> </tr> <tr> <td>ENGLISH 370, 371, 372, or 373</td> <td style="text-align: right;">3</td> </tr> <tr> <td>English Literature Elective⁵</td> <td style="text-align: right;">3</td> </tr> <tr> <td>English or Humanities Electives</td> <td style="text-align: right;">3</td> </tr> <tr> <td>Electives</td> <td style="text-align: right;"><u>9</u>13</td> </tr> </table> <hr/> <p>Footnotes</p> <p>¹ To meet University and College of Arts and Sciences requirements, students must take a [BSCI] course with lab and [PSCI] course with lab or SCIENCE 101 and 102. SCIENCE 101 is offered Fall semester and is a prerequisite for SCIENCE 102. SCIENCE 102 is offered Spring semester.</p> <p>² Choose from: ENGLISH 311, 314 [M], 321, 322 [M], 341 [M], and 345 [M].</p> <p>³ At least one from HUMANITY 101, 103, 302 [M], 303 [M], 304 [M], 335, 350, 410, or 450 is required. Other approved courses include ENGLISH 210, 366, 368, 370, 371, 372, 373, 419, and 480-489. Upper-division courses are not recommended for first-year students.</p> <p>⁴ Choose from: ENGLISH 309, 311, 314 [M], 317, 321, 322 [M], 341 [M], 345 [M], or 409. Students should consider the University requirement of two [M] courses when selecting course.</p> <p>⁵ Choose from: ENGLISH 366, 370, 373, 419, 483, 484, 485, 486, 487, 488, 489, HUMANITY 302 [M], 303 [M], 304, 335, 338, 350, 410, or 450.</p>	<i>First Term</i>	<i>Hours</i>	ENGLISH 323	3	English or Humanities Electives ³	3	300-400-level Electives	9	<i>Second Term</i>	<i>Hours</i>	ENGLISH 370, 371, 372, or 373	3	English Literature Elective ⁵	3	English or Humanities Electives	3	Electives	<u>9</u> 13	
<i>First Term</i>	<i>Hours</i>																			
ENGLISH 323	3																			
English or Humanities Electives ³	3																			
300-400-level Electives	9																			
<i>Second Term</i>	<i>Hours</i>																			
ENGLISH 370, 371, 372, or 373	3																			
English Literature Elective ⁵	3																			
English or Humanities Electives	3																			
Electives	<u>9</u> 13																			
<p>English Revise graduation requirements for Bachelor of Arts in English – Rhetoric and Professional Writing Option</p>	<p>English - Rhetoric and Professional Writing Option (120 Hours)</p> <p>Requirements in this degree are a core of eighteen hours of 300-400 level classes, twelve to eighteen hours of electives from the list of approved courses, and with the option of one or two <u>electives six credits</u> – with the approval of advisor – of any English or Humanities course at any level. Required courses/core (18 hours): 301, 302, 360, 362, and 460 or 461 (Prerequisite of ENGLISH 402 or 403 required for 461). One transnational lit course (chosen in consultation with advisor) from 370, 371, 372, 373, 460, or 461. Electives (18 hours): 308, 336, 354, 355, 358, 361, 363, 375, 401, 402, 405, 410, 458, 461, 475, 476, 495, any creative writing course deemed appropriate by CW faculty, the student, and her or his advisor.</p> <p>First Year</p> <table border="0"> <tr> <td><i>First Term</i></td> <td style="text-align: right;"><i>Hours</i></td> </tr> <tr> <td>ENGLISH 101 [WRTG]</td> <td style="text-align: right;">3</td> </tr> <tr> <td>HISTORY 105 [ROOT]</td> <td style="text-align: right;">3</td> </tr> <tr> <td>Humanities [HUM][†]</td> <td style="text-align: right;">3</td> </tr> <tr> <td>Quantitative Reasoning [QUAN]</td> <td style="text-align: right;">3</td> </tr> </table>	<i>First Term</i>	<i>Hours</i>	ENGLISH 101 [WRTG]	3	HISTORY 105 [ROOT]	3	Humanities [HUM] [†]	3	Quantitative Reasoning [QUAN]	3	<p>8-15</p>								
<i>First Term</i>	<i>Hours</i>																			
ENGLISH 101 [WRTG]	3																			
HISTORY 105 [ROOT]	3																			
Humanities [HUM] [†]	3																			
Quantitative Reasoning [QUAN]	3																			

<u>Social Sciences [SSCI]</u>	<u>3</u>
<u>Foreign Language or Electives</u>	4
<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>
Social Sciences [SSCI]	3
<u>Foreign Language and/or Electives</u>	96
Second Year	
<i>First Term</i>	<i>Hours</i>
<u>Biological Sciences [BSCI] with lab or SCIENCE 101 [SCI]¹</u>	4
Creative & Professional Arts [ARTS], Humanities [HUM], or Social Sciences [SSCI]	3
ENGLISH 301 [WRTG]	3
ENGLISH 302	3
Physical Sciences [PSCI] with lab or SCIENCE 102 [SCI]	4
<u>Humanities Elective²</u>	<u>3</u>
Electives	3
<i>Second Term</i>	<i>Hours</i>
Diversity [DIVR]	3
ENGLISH 360	3
ENGLISH 362	3
ENGLISH 370, 371, 372, or 373	3
<u>Physical Sciences [PSCI] with lab or SCIENCE 102 [SCI]¹</u>	<u>4</u>
Elective	3
Complete Writing Portfolio	
Third Year	
<i>First Term</i>	<i>Hours</i>
<u>ENGLISH 302 [M]</u>	<u>3</u>
300-400-level Rhetoric / Professional Writing Electives ³	6
Electives	96
<i>Second Term</i>	<i>Hours</i>
300-400-level Rhetoric / Professional Writing Electives ³	6
Electives	9
Fourth Year	
<i>First Term</i>	<i>Hours</i>
300-400-level Rhetoric / Professional Writing Electives ³	6

	<p>300-400-level Electives 6</p> <p>Second Term Hours</p> <p><u>ENGLISH 415 [CAPS] or 494 [CAPS] [M]</u> 3</p> <p>ENGLISH 460 [M] or 461 [M]²⁴ 3</p> <p>Integrative Capstone [CAPS] 3</p> <p>Electives 9</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>⁴² 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 and second-year students.</p> <p>³ <u>Rhetoric / Professional Writing Electives are: AMER ST 475, CES 405, DTC 336, 354, 355 [M], 375 [M], 476, ENGLISH 308 [M], 358, 361, 363, 401, 402 [M], 405, 458, 461 [M], and 495.</u></p> <p>²⁴ Prerequisite of ENGLISH 402 [M] or 403 [M] required for ENGLISH 461 [M].</p>																															
<p>English Revise graduation requirements for Bachelor of Arts in English – Creative Writing Option</p>	<p>English - Creative Writing Option (120 Hours)</p> <p>Requirements in this option involve <u>a minimum of 45</u>39-credit hours, approximately half in creative writing and related professional courses, the remainder in supporting literature courses approved by the advisor. In addition to these requirements, students are urged to select UCORE courses in American and world cultures, history, and society to round out the liberal arts education that they will bring to careers in creative writing, editing, publishing, and related fields.</p> <p>First Year</p> <table style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="text-align: left;"><i>First Term</i></th> <th style="text-align: right;"><i>Hours</i></th> </tr> </thead> <tbody> <tr> <td><u>Biological Sciences [BSCI] with lab or SCIENCE 101 [SCI]¹</u></td> <td style="text-align: right;">4</td> </tr> <tr> <td>ENGLISH 101 [WRTG]</td> <td style="text-align: right;">3</td> </tr> <tr> <td>HISTORY 105 [ROOT]</td> <td style="text-align: right;">3</td> </tr> <tr> <td>Humanities <u>Elective</u>[HUM]⁴²</td> <td style="text-align: right;">3</td> </tr> <tr> <td>Quantitative Reasoning [QUAN]</td> <td style="text-align: right;">3</td> </tr> <tr> <td><u>Foreign Language or Electives</u></td> <td style="text-align: right;">3-4</td> </tr> </tbody> </table> <table style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="text-align: left;"><i>Second Term</i></th> <th style="text-align: right;"><i>Hours</i></th> </tr> </thead> <tbody> <tr> <td>Biological Sciences [BSCI] with lab or SCIENCE 101 [SCI]</td> <td style="text-align: right;">4</td> </tr> <tr> <td>Creative & Professional Arts [ARTS]</td> <td style="text-align: right;">3</td> </tr> <tr> <td>ENGLISH 251</td> <td style="text-align: right;">3</td> </tr> <tr> <td><u>HISTORY 105 [ROOT]</u></td> <td style="text-align: right;">3</td> </tr> <tr> <td><u>Physical Sciences [PSCI] with lab or SCIENCE 102 [SCI]</u></td> <td style="text-align: right;">4</td> </tr> <tr> <td>Social Sciences [SSCI]</td> <td style="text-align: right;">3</td> </tr> <tr> <td><u>Foreign Language or Electives</u></td> <td style="text-align: right;">3-4</td> </tr> </tbody> </table>	<i>First Term</i>	<i>Hours</i>	<u>Biological Sciences [BSCI] with lab or SCIENCE 101 [SCI]¹</u>	4	ENGLISH 101 [WRTG]	3	HISTORY 105 [ROOT]	3	Humanities <u>Elective</u> [HUM] ⁴²	3	Quantitative Reasoning [QUAN]	3	<u>Foreign Language or Electives</u>	3-4	<i>Second Term</i>	<i>Hours</i>	Biological Sciences [BSCI] with lab or SCIENCE 101 [SCI]	4	Creative & Professional Arts [ARTS]	3	ENGLISH 251	3	<u>HISTORY 105 [ROOT]</u>	3	<u>Physical Sciences [PSCI] with lab or SCIENCE 102 [SCI]</u>	4	Social Sciences [SSCI]	3	<u>Foreign Language or Electives</u>	3-4	<p>8-15</p>
<i>First Term</i>	<i>Hours</i>																															
<u>Biological Sciences [BSCI] with lab or SCIENCE 101 [SCI]¹</u>	4																															
ENGLISH 101 [WRTG]	3																															
HISTORY 105 [ROOT]	3																															
Humanities <u>Elective</u> [HUM] ⁴²	3																															
Quantitative Reasoning [QUAN]	3																															
<u>Foreign Language or Electives</u>	3-4																															
<i>Second Term</i>	<i>Hours</i>																															
Biological Sciences [BSCI] with lab or SCIENCE 101 [SCI]	4																															
Creative & Professional Arts [ARTS]	3																															
ENGLISH 251	3																															
<u>HISTORY 105 [ROOT]</u>	3																															
<u>Physical Sciences [PSCI] with lab or SCIENCE 102 [SCI]</u>	4																															
Social Sciences [SSCI]	3																															
<u>Foreign Language or Electives</u>	3-4																															

Second Year***First Term*** ***Hours***

Creative & Professional Arts [ARTS], Humanities [HUM], or Social Sciences [SSCI] 3

ENGLISH 351 or 353 3

~~Physical Sciences [PSCI] with lab or SCIENCE 102 [SCI]~~ 4Social Sciences [SSCI] 3Electives (literature courses recommended) 67***Second Term*** ***Hours***

Diversity [DIVR] 3

~~ENGLISH 302 [M], or~~ Communication [COMM] or Written Communication [WRTG] 3

ENGLISH 352 3

300-400-level Literature Elective, (ENGLISH or HUMANITY)³ 3Humanities [HUM], if needed, or Electives 3

Complete Writing Portfolio

Third Year***First Term*** ***Hours***ENGLISH 302 [M] 3ENGLISH 357, 402 [M], 498, or 499 3300-400-level Literature Elective (300-400-level ENGLISH or HUMANITY)³ 3Electives 126***Second Term*** ***Hours***

ENGLISH 451 [M], 452 [M], or 453 3

Writers of Color²⁴ 3

300-400-level Electives 9

Fourth Year***First Term*** ***Hours***ENGLISH 410 [CAPS], 415 [CAPS], or 499 [CAPS] 3Integrative Capstone [CAPS] 3400-level Literature Elective (400-level ENGLISH or HUMANITY) 3300-400-level Literature or Creative Writing or Literature Elective (300- or 400-level)⁵ 3

300-400-level Electives 6

Second Term ***Hours***

	<p><u>300-400-level Creative Writing or Literature Elective; ENGLISH or HUMANITY</u>⁵ 3</p> <p><u>ENGLISH 446</u> 3</p> <p><u>ENGLISH 451 [M], or 452, or 453</u> 3</p> <p><u>Electives</u> 63</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, 303 [M], 304, 335, 350, 410, or 450 is required. Upper-division courses are not recommended for first-year students.</u></p> <p>³ <u>See advisor for approved list of courses. 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.</u></p> <p>⁴ <u>Writers of Color courses are: ENGLISH 311, 314 [M], 321, 322 [M], 341 [M], 345 [M], and 489, or as approved by advisor.</u></p> <p>⁵ <u>Approved courses include any 300-400-level ENGLISH courses not used to fulfill other requirements.</u></p>	
<p>Foreign Languages and Cultures</p> <p>Revise graduation requirements for Bachelor of Arts in Foreign Languages and Culture – French Option</p>	<p>French (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>FRENCH 101, 102, and 203</u> 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>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.</p> <p>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.</p> <p>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.</p> <p>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 <u>FRENCH 105, 205, 305, and 405</u> may not be applied toward the major or minor.</p>	<p>8-15</p>

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>
CHINESE, GERMAN, SPANISH 110, 111, 120, 121, 130, or 131	3
ENGLISH 101 [WRTG]	3
FOR LANG 101, 110, 120, or 130, or 220	3
FRENCH 101 (if necessary) or higher (102, 203, or 204)	4
FRENCH 105	1
HISTORY 105 [ROOT]	3

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

Second Year

<i>First Term</i>	<i>Hours</i>
<u>Biological Sciences [BSCI] with lab or SCIENCE 101 [SCI]¹</u>	<u>4</u>
FRENCH 203 (if necessary), or higher (204)	4
FRENCH 205	1
Quantitative Reasoning [QUAN] (105 recommended)	3
Social Sciences [SSCI]	3
Electives ⁺²	3

<i>Second Term</i>	<i>Hours</i>
Communication [COMM] or Written Communication [WRTG]	3
FRENCH 110, or 120, or 130	3
FRENCH 204	4
FRENCH 205	1
Physical Sciences [PSCI] with lab or SCIENCE 102 [SCI] ¹	4
Complete Writing Portfolio	

Third Year

<i>First Term</i>	<i>Hours</i>
Diversity [DIVR]	3
FRENCH 305	1
FRENCH 306, 307 or 308 [M]	3
FRENCH 310, 320, 350, or 361	3
Humanities [HUM]	3
Electives or FOR LANG 440 if teaching major ⁺²	3

<i>Second Term</i>	<i>Hours</i>
<u>Creative & Professional Arts [ARTS]</u>	<u>3</u>
Creative & Professional Arts [ARTS], Humanities [HUM], or Social Sciences [SSCI]	3
FRENCH 305	1
FRENCH 306, 307 or 308 [M]	3
FRENCH 310, 320, 350, or 361	3
Electives ⁺²	4

Fourth Year

<i>First Term</i>	<i>Hours</i>
FRENCH 310, 320, 350, or 361	3
FRENCH 405	1
FRENCH 410 [CAPS], 420 [CAPS], 430 [CAPS], or 450 [M] ²³	3
300-400-level Electives ⁺²	9

<i>Second Term</i>	<i>Hours</i>
<u>Creative & Professional Arts [ARTS], Humanities [HUM], or Social Sciences [SSCI]</u>	<u>3</u>
FRENCH 405	1
FRENCH 408 [M]	3
FRENCH 410 [CAPS], 420 [CAPS], 430 [CAPS], or 450 [M] ²³	3
<u>300-400-level elective, Integrative Capstone [CAPS], or [M] course²³</u>	<u>3</u>
Electives ⁺²	3
<u>Exit Proficiency Exam</u>	

Footnotes

¹ To meet University and College of Arts and Sciences requirements, students must take a [BSCI] course with lab and [PSCI] course with lab or SCIENCE 101 and 102. SCIENCE 101 is offered Fall semesters and is a prerequisite for SCIENCE 102. SCIENCE 102 is offered Spring semester.

⁺² Electives must be represented by an approved university minor in a second foreign language; 16 credits in a concentrated related field; or a second major in another field.

²³ ~~If FRENCH 410 or 420 is chosen, then the Integrative Capstone [CAPS] is fulfilled. University requirements include one [CAPS] course and two [M] courses.~~

Foreign Languages and Cultures

Revise graduation requirements for Bachelor of Arts in Foreign Languages and Culture – **Chinese Option**

Chinese Language and Culture (120 Hours)

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. CHINESE 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.

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 CHINESE 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

First Term

Hours

CHINESE 101 or higher (102, 203, 204) ¹	4
<u>Creative & Professional Arts [ARTS]</u>	<u>3</u>
ENGLISH 101 [WRTG]	3
FOR LANG 101, 110, 120, or 130, <u>or</u> 220	3
HISTORY 105 [ROOT]	3
<u>Quantitative Reasoning [QUAN]-(105 recommended)</u>	<u>3</u>
Social Sciences [SSCI]	3

Second Term

Hours

Biological Sciences [BSCI] with lab or SCIENCE 101 [SCI]	4
---	--------------

CHINESE 102 or higher (203, 204)	4
CHINESE 111, <u>120</u> , 121, or 131	3
<u>Communication [COMM] or Written Communication [WRTG]</u>	<u>3</u>
Creative & Professional Arts [ARTS]	3
<u>HISTORY 105 [ROOT]</u>	<u>3</u>
Second Year	
<i>First Term</i>	<i>Hours</i>
<u>Biological Sciences [BSCI] with lab or SCIENCE 101 [SCI]²</u>	<u>4</u>
CHINESE 203 or higher (204)	4
Physical Sciences [PSCI] with lab or SCIENCE 102 [SCI]	4
Quantitative Reasoning [QUAN] (105 recommended)	3
<u>Social Sciences [SSCI]</u>	<u>3</u>
Electives ²	4
<i>Second Term</i>	<i>Hours</i>
Chin 311 [M]	3
CHINESE 204 or 307	3 or 4
<u>CHINESE 311 [M], 320 [M], 321 [M], or 330 [M]</u>	<u>3</u>
Communication [COMM] or Written Communication [WRTG]	3
Humanities [HUM]	3
<u>Physical Sciences [PSCI] with lab or SCIENCE 102 [SCI]²</u>	<u>4</u>
Electives ²³	3
Complete Writing Portfolio	
Third Year	
<i>First Term</i>	<i>Hours</i>
CHINESE 306, 307, or 308	3
CHINESE 361, 363, or 364 , or 450	3
Chinese Area Studies Elective ³⁴	3
Diversity [DIVR]	3
Elective or FOR LANG 440 if teaching major ²³	3
<i>Second Term</i>	<i>Hours</i>
CHINESE 306, 307, or 308	3
CHINESE 330 [M]	3
Creative & Professional Arts [ARTS], Humanities [HUM], or Social Sciences [SSCI]	3
300-400-level Electives ²³	3
Electives ²³	<u>36</u>
Fourth Year	

	<p>First Term Hours</p> <p>CHINESE 306, 307, or 308 3</p> <p>Chinese Area Studies Elective³⁴ 3</p> <p>300-400-level Electives²³ 9</p> <p>Second Term Hours</p> <p>CHINESE 361, 363, or 364, or 450 3</p> <p>Chinese Area Studies Elective³⁴ 3</p> <p>Integrative Capstone [CAPS] 3</p> <p>300-400-level Electives²³ 6</p> <p><u>Exit Proficiency Exam</u></p> <hr/> <p>Footnotes</p> <p>¹ Study abroad in an immersion program in China or Taiwan is strongly recommended.</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>²³ Electives must be represented by an approved university minor in a second foreign language; 16 credits in a concentrated related field; or a second major in another field.</p> <p>³⁴ Students must take nine-9 credits of Chinese Area Studies required. Approved courses include: ASIA 302 [M], 314, 315 [M], 476 [M], CES 314 [M], 315 [M], POL S 333, and as approved by advisor. University requirements include a total of two [M] courses, in China related courses from other departments. For a list of approved courses, see the Department of Foreign Languages and Cultures.</p>	
<p>General Studies Revise Bachelor of Science graduation requirements for General Studies – Basic Medical Sciences Plan A</p>	<p>General Studies - Basic Medical Sciences Plan A (120 Hours)</p> <p>At least 40 of the 120 hours for the degree must be at the 300-400-level.</p> <p>First Year</p> <p>First Term Hours</p> <p>BIOLOGY 106 [BSCI] 4</p> <p><u>Creative & Professional Arts [ARTS]</u> <u>3</u></p> <p>CHEM 105 [PSCI]¹ 4</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><u>HISTORY 105 [ROOT]</u> <u>3</u></p> <p>MATH 140 [QUAN] or 171 [QUAN]² 4</p> <p>Second Year</p>	<p>8-15</p>

<i>First Term</i>	<i>Hours</i>
CHEM 345	4
Communication [COMM] or Written Communication [WRTG]	3
MBIOS 301	4
<u>Foreign Language or Electives</u> ³	3
<i>Second Term</i>	<i>Hours</i>
CHEM 346 348	3
Social Sciences [SSCI]	3
<u>Foreign Language and/or Electives</u> ³	9
Complete Writing Portfolio	
Third Year	
<i>First Term</i>	<i>Hours</i>
Diversity [DIVR]	3
MBIOS 303	4
PHYSICS 101 ⁴	4
Electives ³	3
<i>Second Term</i>	<i>Hours</i>
Creative & Professional Arts [ARTS], Humanities [HUM], or Social Sciences [SSCI]	3
PHIL 365, or Humanities [HUM]	3
PHYSICS 102	4
Electives ³	6
Fourth Year	
<i>First Term</i>	<i>Hours</i>
Degree Program Elective ⁵	<u>2</u> 3-4
Degree Program Elective [M] ⁵	<u>2</u> -4 <u>3</u>
Electives ³	<u>1</u> 2 <u>5</u>
<u>300-400-level Electives</u>	<u>6</u>
<i>Second Term</i>	<i>Hours</i>
Degree Program Elective [M] ⁵	<u>2</u> -4 <u>3</u>
Integrative Capstone [CAPS]	3
Electives ³	<u>1</u> 0 <u>4</u>
<u>300-400-level Electives</u>	<u>6</u>

Footnotes

¹ CHEM 101 may be taken prior to CHEM 105.

² MATH ~~107~~ 106 may be taken the first semester as a prerequisite to other math MATH courses and as a co-requisite to CHEM 105. MATH 108 may also be needed. In addition to either MATH 140 or 171 a statistics course such as MATH 212, Introduction to Statistical

	<p>Methods, is highly recommended, and, for some programs, required.</p> <p>³ Students are encouraged to pursue a minor in other areas of more in-depth science minor.</p> <p>⁴ An elective may be substituted for PHYSICS 101 and 102 if it is not required for entrance to a graduate or professional program.</p> <p>⁵ <u>Approved Degree Program Electives are (8 credits required): BIOLOGY 315, 321 [M], 324, 350, 352, 353, 393 [M], 405, 418 [M]; MBIOS 304, 305, 401, 413, 414, 423, 440, 442, 446; NEUROSCI 301, 403 [M], 404, and 430 [M].</u></p>																																																	
<p>General Studies Revise Bachelor of Science graduation requirements for General Studies – Basic Medical Sciences Plan B</p>	<p>General Studies - Basic Medical Sciences Plan B (120 Hours)</p> <p>At least 40 of the 120 hours for the degree must be at the 300-400-level.</p> <p>First Year</p> <table data-bbox="406 625 1312 886"> <thead> <tr> <th><i>First Term</i></th> <th><i>Hours</i></th> </tr> </thead> <tbody> <tr> <td>BIOLOGY 106 [BSCI]</td> <td>4</td> </tr> <tr> <td>CHEM 105 [PSCI]¹</td> <td>4</td> </tr> <tr> <td><u>Creative & Professional Arts [ARTS]</u></td> <td><u>3</u></td> </tr> <tr> <td>ENGLISH 101 [WRTG]</td> <td>3</td> </tr> <tr> <td>HISTORY 105 [ROOT]</td> <td>3</td> </tr> </tbody> </table> <table data-bbox="406 913 1312 1173"> <thead> <tr> <th><i>Second Term</i></th> <th><i>Hours</i></th> </tr> </thead> <tbody> <tr> <td>BIOLOGY 107</td> <td>4</td> </tr> <tr> <td>CHEM 106</td> <td>4</td> </tr> <tr> <td>Creative & Professional Arts [ARTS]</td> <td>3</td> </tr> <tr> <td><u>ENGLISH 101 [WRTG]</u></td> <td><u>3</u></td> </tr> <tr> <td>MATH 140 [QUAN] or 171 [QUAN]²</td> <td>4</td> </tr> </tbody> </table> <p>Second Year</p> <table data-bbox="406 1270 1312 1530"> <thead> <tr> <th><i>First Term</i></th> <th><i>Hours</i></th> </tr> </thead> <tbody> <tr> <td>Communication [COMM] or Written Communication [WRTG]</td> <td>3</td> </tr> <tr> <td>CHEM 345</td> <td>4</td> </tr> <tr> <td>MBIOS 301</td> <td>4</td> </tr> <tr> <td>PHYSICS 101³</td> <td>4</td> </tr> </tbody> </table> <table data-bbox="406 1549 1312 1852"> <thead> <tr> <th><i>Second Term</i></th> <th><i>Hours</i></th> </tr> </thead> <tbody> <tr> <td>CHEM 346 <u>348</u></td> <td>3 3</td> </tr> <tr> <td>MBIOS 305</td> <td>3</td> </tr> <tr> <td>MBIOS 306</td> <td>2</td> </tr> <tr> <td>PHYSICS 102³</td> <td>4</td> </tr> <tr> <td>Social Sciences [SSCI]</td> <td>3</td> </tr> <tr> <td>Complete Writing Portfolio</td> <td></td> </tr> </tbody> </table> <p>Third Year</p>	<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>ENGLISH 101 [WRTG]</u>	<u>3</u>	MATH 140 [QUAN] or 171 [QUAN] ²	4	<i>First Term</i>	<i>Hours</i>	Communication [COMM] or Written Communication [WRTG]	3	CHEM 345	4	MBIOS 301	4	PHYSICS 101 ³	4	<i>Second Term</i>	<i>Hours</i>	CHEM 346 <u>348</u>	3 3	MBIOS 305	3	MBIOS 306	2	PHYSICS 102 ³	4	Social Sciences [SSCI]	3	Complete Writing Portfolio		<p>8-15</p>
<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>ENGLISH 101 [WRTG]</u>	<u>3</u>																																																	
MATH 140 [QUAN] or 171 [QUAN] ²	4																																																	
<i>First Term</i>	<i>Hours</i>																																																	
Communication [COMM] or Written Communication [WRTG]	3																																																	
CHEM 345	4																																																	
MBIOS 301	4																																																	
PHYSICS 101 ³	4																																																	
<i>Second Term</i>	<i>Hours</i>																																																	
CHEM 346 <u>348</u>	3 3																																																	
MBIOS 305	3																																																	
MBIOS 306	2																																																	
PHYSICS 102 ³	4																																																	
Social Sciences [SSCI]	3																																																	
Complete Writing Portfolio																																																		

	<p>First Term</p> <p>Degree Program Elective⁴ 3- <u>to 4</u></p> <p>Diversity [DIVR] 3</p> <p>MBIOS 303 4</p> <p><u>Foreign Language and/or Electives</u>⁴⁵ 6</p> <p>Second Term</p> <p>PHIL 365 [HUM], or Humanities [HUM] 3</p> <p>Degree Program Elective⁴ 6- <u>to 8</u></p> <p><u>Foreign Language and/or Electives</u>⁴⁵ 6</p> <p>Fourth Year</p> <p>First Term</p> <p>Creative & Professional Arts [ARTS], Humanities [HUM], or Social Sciences [SSCI] 3</p> <p>Degree Program Elective⁴ 3- <u>to 4</u></p> <p>Degree Program Elective [M]⁴ 2- <u>to 4</u></p> <p>Electives⁴⁵ <u>8</u><u>7</u></p> <p>Second Term</p> <p>Degree Program Elective⁴ 3- <u>to 4</u></p> <p>Degree Program Elective [M]⁴ <u>2-3</u> <u>to 4</u></p> <p>Integrative Capstone [CAPS] 3</p> <p>Electives⁴⁵ 6</p> <hr/> <p>Footnotes</p> <p>¹ CHEM 101 may be taken prior to CHEM 105.</p> <p>² MATH 407 <u>MATH 106</u> may be taken the first semester as a prerequisite to other math <u>MATH</u> courses and as a co-requisite to CHEM 105. <u>MATH 108 may also be needed.</u> In addition to either MATH 140 or 171 a statistics course such as MATH 212, Introduction to Statistical Methods, is highly recommended, and, for some programs, required.</p> <p>³ An elective may be substituted for PHYSICS 101 and 102 if it is not required for entrance to a graduate or professional program.</p> <p>⁴ <u>A combination of 39 science credits, with 21 credits in 300-400-level courses, is required. 20 credits must be selected from the following list and must include a minimum of one each BIOLOGY, MBIOS, and NEUROSCI: BIOLOGY 251, 315, 321 [M], 324, 333, 350, 352, 353, 393 [M], 405, 418 [M]; MBIOS 304, 360 [M], 401, 402 [M], 413, 414, 423, 440, 442, 446; NEUROSCI 301, 403 [M], 404, and 430 [M].</u></p> <p>⁴⁵ Students are encouraged to pursue a minor in other areas of more in depth science minor.</p>	
<p>General Studies Revise graduation requirements Bachelor of Arts in Humanities for General Studies – Linguistics</p>	<p>General Studies - Linguistics (120 Hours)</p> <p>First Year</p> <p>First Term</p> <p><u>Biological Sciences [BSCI] with lab or SCIENCE 101 [SCI]</u>¹ 4</p> <p>ENGLISH 101 [WRTG] 3</p>	<p>8-15</p>

HISTORY 105 [ROOT]	3
Humanities [HUM]	3
Quantitative Reasoning [QUAN]	3
Electives	3
<i>Second Term</i>	<i>Hours</i>
Biological Sciences [BSCI] with lab or SCIENCE 101 [SCI]	4
Communication [COMM] or Written Communication [WRTG]	3
Creative & Professional Arts [ARTS]	3
<u>HISTORY 105 [ROOT]</u>	<u>3</u>
Linguistics Elective ¹²	3
<u>Physical Sciences [PSCI] with lab or SCIENCE 102 [SCI]¹</u>	<u>4</u>
Electives	1
Second Year	
<i>First Term</i>	<i>Hours</i>
<u>Creative & Professional Arts [ARTS]</u>	<u>3</u>
Linguistics Elective ¹²	3
MATH, CPT S, or STAT Elective ²³	3
Physical Sciences [PSCI] with lab or SCIENCE 102 [SCI]	4
Social Sciences [SSCI]	3
<u>Foreign Language or Electives</u>	<u>3 or 4</u>
<i>Second Term</i>	<i>Hours</i>
Creative & Professional Arts [ARTS], Humanities [HUM], or Social Sciences [SSCI]	3
Linguistics Elective ¹²	6
PHIL Elective ³	3
<u>Foreign Language or Electives</u>	<u>3 or 4</u>
Complete Writing Portfolio	
Third Year	
<i>First Term</i>	<i>Hours</i>
Linguistics Elective ¹²	3
300-level Foreign Language <u>FOR LANG</u> Elective ⁴³	3
Electives	6
Emphasis Elective ⁵³	3
<i>Second Term</i>	<i>Hours</i>
Diversity [DIVR]	3
<u>ENGLISH 443 or 444</u>	<u>3</u>
Linguistics Elective ¹	3
300-level Foreign Language <u>FOR LANG</u> Elective ⁴³	3

	<p><u>[M] Elective Course</u> 3 Emphasis Elective⁵³ 43</p> <p>Fourth Year</p> <p><i>First Term</i> <i>Hours</i></p> <p>Linguistics Elective¹ 3 <u>ENGLISH 443 or 444</u> 3 <u>[M] Course</u> 3 300-400-level Electives 129</p> <p><i>Second Term</i> <i>Hours</i></p> <p>Integrative Capstone [CAPS] 3 300-400-level Electives 12</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 <u>Students must take ENGLISH 443 and 444, and 15 hours or more to be selected from ANTH 350, 450, 499; ENGLISH 255, 256, 454, 456, 457, 458, 499; COM 245; FOR LANG 101.</u></p> <p>² <u>19 credits required. Coursework must include a minimum of 3 credits in MATH, CPT S, or STAT; 3 credits in PHIL; and 6 credits in Foreign Language. Remaining courses should be taken in an area of emphasis and chosen in consultation with an advisor to included sufficient upper division coursework work to meet the University requirements. Approved courses include CPT S 111, 121, 401, 440, 443; ENGLISH 546; any 300-400-level FOR LANG course; MATH 106 and 108, 140, 151, 171, 172, 182, 202, 206, 273, 283; MATH/STAT 205, 212, 360, 443; PHIL 201, 401, 443, 499; PSYCH 490, 492; SHS 371; TCH LRN 333, and 414.</u></p> <p>² <u>Students must take 3-12 hours depending upon special emphasis to be selected from MATH 106 and 108, 140, 151, 171, 172, 182, 202, 206, 273, 283 (i.e., any precalculus or calculus course or sequence); MATH/STAT 205, 212, 360, 443, PSYCH 311 (i.e., any statistics course); Computer Science 111, 121, 251, 401, 440 (with its prerequisites Computer Science 122 and a statistics course), 443.</u></p> <p>³ <u>Students must take 3-9 hours depending upon emphasis: PHIL 201, 401, 443, 499.</u></p> <p>⁴ <u>Students must take 6-18 hours depending on special emphasis. The 6-hour minimum, if elected, must be at the 300-level or higher.</u></p> <p>⁵ <u>Emphasis electives are chosen in consultation with the advisor to meet the required 40 credit hours and may include Psych 490, 492, SHS 371, 375, TCH LRN 333, 414, ENGLISH 546, FOR L 440.</u></p>	
<p>General Studies Revise graduation requirements Bachelor of Arts in Social Sciences for General Studies – Personnel Psychology / Human Resources (WSU - Vancouver only)</p>	<p>General Studies - Social Sciences Option: Personnel Psychology/Human Resources (Vancouver-only Option) (120 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> 4 ENGLISH 101 [WRTG] 3 HISTORY 105 [ROOT] 3</p>	<p>8-15</p>

Humanities [HUM]	3
Quantitative Reasoning [QUAN]	3
<u>Social Sciences [SSCI]</u>	<u>3</u>
<u>Electives⁺</u>	<u>3</u>
<i>Second Term</i>	<i>Hours</i>
Biological Sciences [BSCI] with lab or SCIENCE 101 [SCI]	4
Communication [COMM] or Written Communication [WRTG]	3
Creative & Professional Arts [ARTS]	3
<u>HISTORY 105 [ROOT]</u>	<u>3</u>
<u>Physical Sciences [PSCI] with lab or SCIENCE 102 [SCI]¹</u>	<u>4</u>
Social Sciences [SSCI]	3
Second Year	
<i>First Term</i>	<i>Hours</i>
Physical Sciences [PSCI] with lab or SCIENCE 102 [SCI]	4
Psych <u>PSYCH 306</u>	<u>4</u>
<u>Foreign Language and/or Electives</u>	<u>8</u>
<i>Second Term</i>	<i>Hours</i>
Creative & Professional Arts [ARTS], Humanities [HUM], or Social Sciences [SSCI]	3
Diversity [DIVR]	3
Psych <u>PSYCH 308</u>	3
<u>Foreign Language and/or Electives</u>	<u>6</u>
Complete Writing Portfolio	
Third Year	
<i>First Term</i>	<i>Hours</i>
H D 406	3
MGMT 301	3
PSYCH 311	4
Area 1 Electives ²	3
Electives	3
<i>Second Term</i>	<i>Hours</i>
Area 1 Electives ²	3
Area 2 Electives ³	3
Area 3 Electives ⁴	3
Electives	6
Fourth Year	
<i>First Term</i>	<i>Hours</i>

	<p>Area 1 Electives² 3</p> <p>Area 2 Electives³ 3</p> <p>Area 3 Electives [M]⁴ 3</p> <p>Electives 6</p> <p>Second Term Hours</p> <p>Area 3 Electives [M]⁴ 3</p> <p>Integrative Capstone [CAPS] 3</p> <p>Electives 9</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>⁺ Students must complete a total of 120 hours, including 40 hours of upper division (300-400 level) required by the PPHR option. The remaining hours may be taken in the electives, the UCOREs, or by electing to take more than the minimum required in the three areas. Among the 300-400 level course work in the areas, two courses, each at 3 hours, must have a [M] designation.</p> <p>² Area 1 electives: PSYCH 309, PSYCH 350, PSYCH 412, PSYCH 470, or PSYCH 495. Area 2 electives: H_D 301, H_D 350, H_D 385, H_D 403, or H_D 430. Area 3 electives: I_BUS 453 [M], MGMT 401 [M], MGMT 450, I_BUS 453[M], MGMT 455 [M], MGMT 456, MGMT 485, MGMT 487, or MGMT 496.</p> <p>³ Area 2 electives: H_D 301, 350, 385, 403, or 430.</p> <p>⁴ Area 3 electives: I_BUS 453 [M], MGMT 401 [M], 450, 455 [M], 456, 485, 487, 496. Must include two [M] courses</p>	
<p>General Studies Revise graduation requirements Bachelor of Arts in Humanities for General Studies – Religious Studies</p>	<p>General Studies - Religious Studies (120 Hours) (67 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]</u>¹ 4</p> <p>ENGLISH 101 [WRTG] 3</p> <p>FOR LANG Elective 4</p> <p><u>Foreign Language</u>² 4</p> <p>HISTORY 105 [ROOT] 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>Communication [COMM] or Written Communication [WRTG] 3</p> <p>Creative & Professional Arts [ARTS] 3</p> <p>FOR LANG Electives 4</p> <p><u>Foreign Language</u>² 4</p>	<p>8-15</p>

<u>HISTORY 103 [HUM]</u>	<u>3</u>
<u>HISTORY 105 [ROOT]</u>	<u>3</u>
<u>Humanities [HUM]</u>	<u>3</u>
<u>Physical Sciences [PSCI] with lab or SCIENCE 102 [SCI]¹</u>	<u>4</u>
Second Year	
<i>First Term</i>	<i>Hours</i>
<u>Creative & Professional Arts [ARTS]</u>	<u>3</u>
Creative & Professional Arts [ARTS], Humanities [HUM], or Social Sciences [SSCI]	3
FOR LANG Elective	4
<u>Foreign Language or Electives²</u>	<u>4</u>
Physical Sciences [PSCI] with lab or SCIENCE 102 [SCI]	4
Social Sciences [SSCI]	3
Electives	3
<i>Second Term</i>	<i>Hours</i>
Diversity [DIVR]	3
<u>Elective Core³</u>	<u>3</u>
FOR LANG Elective	4
<u>Foreign Language or Electives²</u>	<u>4</u>
<u>Integrative Capstone [CAPS]</u>	<u>3</u>
PHIL 207	3
SOC 341	3
<u>Electives</u>	<u>3</u>
Complete Writing Portfolio	
<u>THIRD and FOURTH Years [See “OPTIONS” below]</u>	<u>60</u>

Footnotes

¹ To meet University and College of Arts and Sciences requirements, students must take a [BSCI] course with lab and [PSCI] course with lab or SCIENCE 101 and 102. SCIENCE 101 is offered Fall semester and is a prerequisite for SCIENCE 102. SCIENCE 102 is offered Spring semester.

² Students with two years high school foreign language are required to complete 2 additional semesters. Students without high school foreign language are required to complete 4 semesters.

³ Elective Core courses are: FOR LANG 102, HUMANITY 101, or 335.

OPTIONS

Third and Fourth Years Junior & Senior Year — Students must complete one of the following options. Options and Elective coursework must reflect University requirements of 120 total credits, 40 credits of 300-400-level coursework, two [M] courses, and a [CAPS] course. Choose one option:

1. Western Religions: HISTORY 272, 445, PHIL 407; seven

	<p>courses from: ANTH 330; ENGLISH 305, 306, 383, 385-485; FINE ART 201, 202; HISTORY 341, 423, 440, 441; HUMANITY 101, 198, 302 [M], 340; PHIL 290, 310, 340, 400 320, 322, 413, 420, 446; See 341.</p> <p>2. Non-Western Religions: HISTORY 273, PHIL 314 [M], 315 [M], 407; six courses from: ANTH 303, 330; FINE ART 201, 202, 302 [M]; HISTORY 270, 275, 308, 370, 373, 374, 408, 470, 472 [M], 473; HUMANITY 350; SOC 341.</p> <p>3. Comparative Religions: HISTORY 273, 407, 445, PHIL 314 [M], 315 [M]; five courses from: ANTH 303; ENGLISH 305, 306, 383, 385-483, 485; FINE ART 201, 202, 302 [M]; HISTORY 308, 341, 370, 373, 374, 408, 440, 441, 470, 472 [M], 473; HUMANITY 350; PHIL 340, SOC 341.</p>																																													
<p>History Revise graduation requirements for Bachelor of Arts in History – General Option</p>	<p>History - General Option (120 Hours)</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>Creative & Professional Arts [ARTS]</u></td> <td><u>3</u></td> </tr> <tr> <td>ENGLISH 101 [WRTG]</td> <td>3</td> </tr> <tr> <td>HISTORY 105 [ROOT]</td> <td>3</td> </tr> <tr> <td>Humanities [HUM]</td> <td>3</td> </tr> <tr> <td>Quantitative Reasoning [QUAN]</td> <td>3 or 4</td> </tr> <tr> <td>Electives</td> <td>4</td> </tr> <tr> <td> <i>Second Term</i></td> <td> <i>Hours</i></td> </tr> <tr> <td>Biological Sciences [BSCI] with lab or SCIENCE 101 [SCI]</td> <td>4</td> </tr> <tr> <td>Communication [COMM] or Written Communication [WRTG]</td> <td>3</td> </tr> <tr> <td>Diversity [DIVR]</td> <td>3</td> </tr> <tr> <td><u>HISTORY 105 [ROOT]</u></td> <td><u>3</u></td> </tr> <tr> <td>Social Sciences [SSCI]</td> <td>3</td> </tr> <tr> <td>Electives</td> <td>3</td> </tr> <tr> <td> Second Year</td> <td></td> </tr> <tr> <td> <i>First Term</i></td> <td> <i>Hours</i></td> </tr> <tr> <td>100-200-level HISTORY Electives¹</td> <td>6</td> </tr> <tr> <td><u>Biological Sciences [BSCI] with lab or SCIENCE 101 [SCI]</u>²</td> <td><u>4</u></td> </tr> <tr> <td>Creative & Professional Arts [ARTS], Humanities [HUM], or Social Sciences [SSCI]</td> <td>3</td> </tr> <tr> <td>Physical Sciences [PSCI] with lab or SCIENCE 102 [SCI]</td> <td>4</td> </tr> <tr> <td>Electives</td> <td>3</td> </tr> <tr> <td> <i>Second Term</i></td> <td> <i>Hours</i></td> </tr> </tbody> </table>	<i>First Term</i>	<i>Hours</i>	<u>Creative & Professional Arts [ARTS]</u>	<u>3</u>	ENGLISH 101 [WRTG]	3	HISTORY 105 [ROOT]	3	Humanities [HUM]	3	Quantitative Reasoning [QUAN]	3 or 4	Electives	4	 <i>Second Term</i>	 <i>Hours</i>	Biological Sciences [BSCI] with lab or SCIENCE 101 [SCI]	4	Communication [COMM] or Written Communication [WRTG]	3	Diversity [DIVR]	3	<u>HISTORY 105 [ROOT]</u>	<u>3</u>	Social Sciences [SSCI]	3	Electives	3	 Second Year		 <i>First Term</i>	 <i>Hours</i>	100-200-level HISTORY Electives ¹	6	<u>Biological Sciences [BSCI] with lab or SCIENCE 101 [SCI]</u> ²	<u>4</u>	Creative & Professional Arts [ARTS], Humanities [HUM], or Social Sciences [SSCI]	3	Physical Sciences [PSCI] with lab or SCIENCE 102 [SCI]	4	Electives	3	 <i>Second Term</i>	 <i>Hours</i>	<p>8-15</p>
<i>First Term</i>	<i>Hours</i>																																													
<u>Creative & Professional Arts [ARTS]</u>	<u>3</u>																																													
ENGLISH 101 [WRTG]	3																																													
HISTORY 105 [ROOT]	3																																													
Humanities [HUM]	3																																													
Quantitative Reasoning [QUAN]	3 or 4																																													
Electives	4																																													
 <i>Second Term</i>	 <i>Hours</i>																																													
Biological Sciences [BSCI] with lab or SCIENCE 101 [SCI]	4																																													
Communication [COMM] or Written Communication [WRTG]	3																																													
Diversity [DIVR]	3																																													
<u>HISTORY 105 [ROOT]</u>	<u>3</u>																																													
Social Sciences [SSCI]	3																																													
Electives	3																																													
 Second Year																																														
 <i>First Term</i>	 <i>Hours</i>																																													
100-200-level HISTORY Electives ¹	6																																													
<u>Biological Sciences [BSCI] with lab or SCIENCE 101 [SCI]</u> ²	<u>4</u>																																													
Creative & Professional Arts [ARTS], Humanities [HUM], or Social Sciences [SSCI]	3																																													
Physical Sciences [PSCI] with lab or SCIENCE 102 [SCI]	4																																													
Electives	3																																													
 <i>Second Term</i>	 <i>Hours</i>																																													

100-200-level Degree Program Course ²³	3
100-200-level HISTORY Electives ¹	6
Creative & Professional Arts [ARTS]	3
<u>Physical Sciences [PSCI] with lab or SCIENCE 102 [SCI]²</u>	4
Foreign Language, if necessary, or Elective	3 or 4
Complete Writing Portfolio	

Third Year

<i>First Term</i>	<i>Hours</i>
100-200-level Degree Program Course ²³	3
300-400-level HISTORY Electives ¹	6
Foreign Language, if necessary, or Elective	3 or 4
HISTORY 300 or HISTORY Elective (any level) ¹	3

<i>Second Term</i>	<i>Hours</i>
300-400-level Degree Program Course ²³	3
300-400-level Electives	6
300-400-level HISTORY Elective ¹	3
HISTORY 300 [M]	3

Fourth Year

<i>First Term</i>	<i>Hours</i>
300-400-level Degree Program Course ²³	3
300-400-level Electives	6
300-400-level HISTORY Electives ¹	6

<i>Second Term</i>	<i>Hours</i>
300-400-level Electives	6
<u>HISTORY 436 [CAPS] or 495 [CAPS]</u>	3
HISTORY 469 [M]	3
Integrative Capstone [CAPS]	3

Footnotes

¹ History Electives must include 6 hours US history (HISTORY 110, 111, 150, 201, 205, 216, 280, 298, 308, 313, 314, 320 [M], 321, 322, 390, 398, 409, 410, 411, 412, 413 [M], 414, 415, 416, 417, 418, 419, 421, 422, 423, 427 [M], 486, and 496), 6 hours European history (HISTORY 101, 102, 340, 341, 342, 350, 381, 382, 386, 440, 441, 444, 445, 447, 449, 450 [M], 453, 454, 455, 459, 462, 463 [M], 467, 468, and 489 [M]), and 9 hours Non-Western/Global history (HISTORY 230, 231, 270, 271, 272, 273, 274, 275, 306, 331, 335, 337, 370, 373, 374, 387, 388, 425, 430 [M], 432, 433, 434, 435, 436, 439, 466, 472 [M], 473, 474, 475, 476 [M], 477 [M], 483, 491, 492, and 495).

² 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.

²³ Courses in the same or in related disciplines with the advisor's approval; students are encouraged to explore, in consultation with their advisor, a double-major or strong minor in a complementary subject field.

History
 Revise graduation requirements for Bachelor of Arts in **History – Pre-Law Option**

History - Pre-Law Option (120 Hours)

8-15

First Year

<i>First Term</i>	<i>Hours</i>
<u>Biological Sciences [BSCI] with lab or SCIENCE 101 [SCI]¹</u>	<u>4</u>
<u>COM 102 [COMM]</u>	<u>3</u>
ENGLISH 101 [WRTG]	3
HISTORY 105 [ROOT]	3
Humanities [HUM]	3
Quantitative Reasoning [QUAN]	3 or 4
Electives	4

<i>Second Term</i>	<i>Hours</i>
Biological Sciences [BSCI] with lab or SCIENCE 101 [SCI]	4
COM 102 [COMM]	3
<u>Creative & Professional Arts [ARTS]</u>	<u>3</u>
Diversity [DIVR]	3
<u>HISTORY 105 [ROOT]</u>	<u>3</u>
<u>Physical Sciences [PSCI] with lab or SCIENCE 102 [SCI]¹</u>	<u>4</u>
<u>PSYCH 105 [SSCI]</u>	<u>3</u>
Pre-Law Option ¹	3
Electives	3

Second Year

<i>First Term</i>	<i>Hours</i>
100-200-level Hist HIST <u>HISTORY</u> Electives ²	6
<u>ANTH 101</u>	<u>3</u>
Physical Sciences [PSCI] with lab or SCIENCE 102 [SCI]	4
Pre-Law Option ¹	6
<u>SOC 101 [SSCI]</u>	<u>3</u>
<u>Electives</u>	<u>4</u>

<i>Second Term</i>	<i>Hours</i>
100-200-level HISTORY Electives ²	6
Foreign Language, if necessary, or Elective	3 or 4
Pre-Law Option ³	6
Complete Writing Portfolio	

Third Year

<i>First Term</i>	<i>Hours</i>
300-400-level HISTORY Elective ³⁴	3

	<p>Foreign Language, if necessary, or Elective 3 or 4</p> <p>HISTORY 300 [M] or HISTORY Elective (any level)³ 3</p> <p>Pre-Law Option¹³ 6</p> <p>Second Term Hours</p> <p>300-400-level Electives 6</p> <p>300-400-level HISTORY Elective³⁴ <u>36</u></p> <p>HISTORY 300 or HISTORY Elective³⁴ 3</p> <p>Pre-Law Option¹³ 3</p> <p>Fourth Year</p> <p>First Term Hours</p> <p>300-400-level HISTORY Electives³⁴ 6</p> <p>300-400-level Pre-Law Option¹³ 3</p> <p>300-400-level Electives 6</p> <p>Second Term Hours</p> <p>300-400-level HISTORY Elective³⁴ 3</p> <p>HISTORY 469 [M] 3</p> <p>Integrative Capstone [CAPS] 3</p> <p>300-400-level Electives 3</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>Approved 100-200 level History electives are: -Choose from HISTORY 101, 102, 110, 111, 230, 231, 270, 272, 273, and 275.</u></p> <p>¹³ Pre-Law requirements (may also fulfill UCORE requirements) – Political Science: POL S 300 and two courses from POL S 101, 102, 198 or and 206; Business/accounting: two courses from ECONS 101, 102, 198, ACCTG 230, and B LAW 210 or FIN 323; Social Sciences/Humanities: one course each from [ANTH 101 or 198], [PHIL 201, 260, 360, 370, and 470], [PSYCH 105 or 198] and [SOC 101 or 198]; English: one course from ENGLISH 201, 301, or and 402 [M].</p> <p>³⁴ 300-400 level history electives. The following courses are recommended to fulfill upper-division requirements: European History: 340, 341, 342, 343, 350, 381, 382, 386, 435, 440, 441, 444, 445, 446, 447, 448, 450 [M], 453, 455, 459, 463 [M], 466, 467 and 468 488, 489; American/U.S. History: 414, 415, 416, 417, 418, 419, 420, 421, 422, 423, 427 [M], 486, and 496.</p>	
<p>History Revise graduation requirements for Bachelor of Arts in Social Studies – Education Option</p>	<p>Social Studies - Education Option (135-132 Hours)</p> <p>Social Studies is a major for students who plan to earn both a BA and a teaching endorsement in the multidisciplinary fields of history and the social sciences: anthropology, economics, geography, political science, psychology, sociology. Social Studies majors 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 Social Studies</p>	<p>8-15</p>

endorsement.

To certify in Social Studies, a student must have earned at least a 2.50 cumulative GPA.

A grade of C or better is required in all history courses used to fulfill the requirements for this degree.

The social studies education major consists of 63 hours: lower-division (30 hours) ~~to~~ requirements includes U.S. History, European History, Global History, Geography, and Political Science ~~HISTORY 101, 102, 110, 111; one course from two of the following four sets: HISTORY 230 231, 270, 271, 272 273, 275; one from AANTH 101, 198, 203, 260; ECONS 102; POL S 101; SOC 101.~~ Upper-division (30 hours) requirements include: 15 hours of history, to include HISTORY 422, one European, one non-western/global, and one American/U.S. course; 15 hours of social sciences, to include one approved courses from Economics, Geography, and Political Science ~~ECONS 320, 327, 416, 427, 430 [T]; one from geography (ANTH 309, HISTORY 319, 495); one from POL S 300, 316, 427, 450, 455 or CRM J 320;~~ and 6 additional hours of approved Anthropology, Psychology, and Sociology courses from ~~ANTH 307, 316, 320, 330, 331, 350; PSYCH 310, 324, 361, 470; SOC 320, 351, 384, 430; HISTORY 480 is also required. An approved seminar is also required but may double-count with the upper-division courses above.~~

~~As social studies is an interdisciplinary major, 21 credits may double count to fulfill UCORE and major requirements.~~

Students must have one year of a foreign language at the college level or two years at the high school level.

First Year

<i>First Term</i>	<i>Hours</i>
<u>Biological Sciences [BSCI] with lab or SCIENCE 101 [SCI]</u> ¹	<u>4</u>
<u>Creative & Professional Arts [ARTS]</u>	<u>3</u>
ENGLISH 101 [WRTG]	3
HISTORY 101	3
HISTORY 105 [ROOT]	3
Quantitative Reasoning [QUAN]	3 or 4
Electives	3
 <i>Second Term</i>	 <i>Hours</i>
ANTH 101 [DIVR] or 203 [DIVR]	3
Biological Sciences [BSCI] with lab or SCIENCE 101 [SCI]	4
Creative & Professional Arts [ARTS]	3
HISTORY 102	3
<u>HISTORY 105 [ROOT]</u>	<u>3</u>

<u>Physical Sciences [PSCI] with lab or SCIENCE 102 [SCI]¹</u>	<u>4</u>
SOC 101 [SSCI]	3
Second Year	
<i>First Term</i>	<i>Hours</i>
ECONS 102	3
HISTORY 110 [HUM]	3
HISTORY 200-level course ¹²	3
Physical Sciences [PSCI] with lab or SCIENCE 102 [SCI]	4
POL S 101 [SSCI] or PSYCH 105 [SSCI] ²	3
<u>Foreign Language, if needed</u>	<u>0-4</u>
<i>Second Term</i>	<i>Hours</i>
ENGLISH 201 [WRTG], 298 [WRTG] , 301 [WRTG], or 302 [M] ³	3
HISTORY 111	3
HISTORY 200-level course ¹²	3
POL S 101 or PSYCH 105 ²	3
<u>Foreign Language, if needed</u>	<u>0-4</u>
Complete Writing Portfolio	
Third Year	
<i>First Term</i>	<i>Hours</i>
300-400 level HISTORY Electives^{4,5}	6
300-400 level ECONS Elective from list	3
ANTH/PSYCH/SOC Electives from list⁴	3
<u>ECONS Electives⁵</u>	<u>3</u>
<u>European History Electives⁶</u>	<u>3</u>
<u>HISTORY 469 [M] or SOC 320⁷</u>	<u>3</u>
TCH LRN 301	3
<i>Second Term</i>	<i>Hours</i>
ANTH/PSYCH/SOC Electives from list⁴	3
Geography Elective from list⁸	3
HISTORY 422	3
POL S Elective from list⁹	3
TCH LRN 317	2
Fourth Year	
<i>First Term</i>	<i>Hours</i>
300-400 level HISTORY Elective⁴	3
<u>HISTORY 436 [CAPS] or 495 [CAPS]</u>	<u>3</u>
<u>Integrative Capstone [CAPS]⁶</u>	<u>3</u>

	<p><u>Non-Western/Global History Elective</u>¹⁰ 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>300-400 level American History <u>HISTORY Elective</u>^{4,511} 3</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>Choose 2 from 2 categories: 230, 231; 270, 271; 272, 273; 275. 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>Choose one from two separate categories: HISTORY 230, 231; 270, 271; 272, 273; 275.</u></p> <p>² <u>PSYCH 105 is required for admission to the Teacher Preparation Program.</u></p> <p>³ <u>One from Engl ENGLISH 201, 301, 302 [M] or 402 is required for admission to the Teacher Preparation Education Program. Students who take ENGLISH 302 will need to take an additional [WRTG] or [COMM] course.</u></p> <p>⁴ <u>Social studies majors must choose their 12 hours of 300-400 electives from the following: one from European history list, one from world history list, one from American/U.S. history list and one additional elective. Approved ANTH/PSYCH/SOC courses include (6 credits required): ANTH 307, 316, 320, 330, 331, 350, PSYCH 310, 324, 361, 470, SOC 320, 351, 384, and 430. Courses may not be used to fulfill more than one major requirement</u></p> <p>⁵ <u>An approved seminar, HISTORY 469 or SOC 320, may double count as a major course. Approved ECONS courses include: ECONS 320, 327, 404, 427, 428, and 430.</u></p> <p>⁶ <u>Integrated Capstone course may double count as a major course. Approved European History courses include (3 credits required): HISTORY 340, 341, 342, 350, 381, 382, 386, 440, 441, 444, 445, 447, 449, 450 [M], 453, 454, 455, 459, 462, 463 [M], 467, 468, and 489 [M].</u></p> <p>⁷ <u>Students who take SOC 320 may need to take an [M] course to fulfill University requirements</u></p> <p>⁸ <u>Approved Geography courses include (3 credits required): ANTH 309, HISTORY 319, 495, and TCH LRN 487.</u></p> <p>⁹ <u>Approved POL S courses include (3 credits required): POL S 300, 316, 427, and 455.</u></p> <p>¹</p> <p>⁰ <u>Approved Non-Western/Global History courses include (3 credits required): HISTORY 306, 331, 335, 337, 370, 373, 374, 387, 388, 425, 430 [M], 432, 433, 434, 435, 436, 439, 466, 472[M], 473, 474, 475, 476 [M], 477 [M], 483, 491, and 492.</u></p> <p>¹ <u>Approved American History courses include (3 credits required): HISTORY 308, 313, 314, 320 [M], 321, 322, 390, 398, 409, 410, 411, 412, 413 [M], 414, 415, 416, 417, 418, 419, 421, 422, 423, 427 [M], 486, and 496.</u></p>	
Integrated Plant Sciences	Agricultural Biotechnology (120 Hours)	8-15

<p>Revise graduation requirements for Bachelor of Science in Integrated Plant Sciences – Agriculture Biotechnology</p>	<p>Second Year</p> <p><i>First Term</i> <i>Hours</i></p> <p>BIOLOGY 106 [BSCI] or 107 [BSCI] 4</p> <p>COMST 102 [COMM] or H D 205 [COMM] 3 or 4</p> <p>ENTOM 343 [M] 3</p> <p>STAT 212 4</p> <p><u>Electives</u> <u>3</u></p> <p>Third Year</p> <p><i>First Term</i> <i>Hours</i></p> <p>BIOLOGY 420 3</p> <p>CHEM 345 4</p> <p><u>ENTOM 343 [M]</u> 3</p> <p>MBIOS 301 4</p> <p>PL P 429 3</p> <p>Electives 3</p> <p><i>Second Term</i> <i>Hours</i></p> <p>CROP_SCI 445 [M] 4</p> <p>CROP_SCI 495 3</p> <p>Diversity [DIVR] 3</p> <p>MBIOS 303 4</p> <p>MBIOS 305 3</p> <p>Fourth Year</p> <p><i>Second Term</i> <i>Hours</i></p> <p>400-500-level Seminar in CAHNRS¹ 1</p> <p>HORT 416⁺² 3</p> <p>Integrative Capstone [CAPS] 3</p> <p>IPM 452 2</p> <p>MBIOS 401 3</p> <hr/> <p>Footnotes</p> <p>¹ <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>⁺² CROP SCI 411 [M] can be taken in the fall as an alternative to HORT 416.</p>	
<p>Mathematics Revise graduation requirements for Bachelor of Science in Mathematics – Actuarial Science Option, Applied</p>	<p>Mathematics (120 Hours)</p> <p>Mathematics Major Core Requirements</p> <p>In addition to the UCORE requirements and the College of Arts and Sciences requirements, a mathematics major is required to take MATH 171, 172 (or 182), 220 (or 230), 273 (or 283), 300, 301, 315, 360 (or 443), 398, 401, 402, 420, 421, thirteen core courses and a minimum of</p>	<p>8-15</p>

**Mathematics Option,
and Theoretical
Mathematics Option.**

four additional 300-400 level MATH courses specified by a chosen option, ~~CPT S 121 or 251, PHYSICS 201, and ENGLISH 402 (or 403 for non-native English speakers).~~ These core courses are required for all mathematics major options, except the Secondary Mathematics Teaching Option, where CPT S 121 or 251, MATH 402 and 420 are not required. MATH 216, 303, and 330 are required; ENGLISH 201 (or 301) is required instead of 402; and MATH 320 may be substituted for 421. Options include: Actuarial Science, Applied Mathematics, Theoretical Mathematics. Courses required for the major may not be taken pass/fail, and a 2.0 minimum GPA is required.

Certification Requirements

1. Applications for certification are accepted at any time during fall and spring semesters. Decisions are made within ten working days of receipt of application. Application forms are available in the Mathematics Department office.
2. Applications are evaluated, and certification decided, by a faculty committee.
3. Applicants must have an overall gpaGPA of at least 2.0.
4. The mathematics core consists of MATH 171, 172, and 220. ~~This core~~ These courses (or ~~its~~ their equivalent for transfer students) must be completed before application.
5. Students with at least a 2.5 gpaGPA in the mathematics core will be certified automatically. Those with less than a 2.0 gpaGPA in the mathematics core will normally not be certified. Others will be considered on a case-by-case basis.
6. Appeals on certification decisions are considered by the department chairperson.
7. Students who are denied certification may reapply after completing at least 12 more semester hours, whereupon decisions are based on grades in mathematics, science, and computer science courses; cumulative grade point average and grade patterns; and a personal interview.
8. Certified students whose cumulative gpaGPA or gpaGPA in ~~mathematics~~ MATH courses numbered 171 and above falls below 2.0 for two consecutive semesters, or who are academically deficient, are subject to decertification.
9. Applications for recertification are handled in the same manner as certification applications for those previously denied.

**~~THIRD AND FORTH YEAR MATHEMATICS OPTIONS
REQUIREMENTS~~**

~~Mathematics majors must complete the courses specified by one of the following options:-~~

~~Actuarial Science Option~~

~~Required Courses: Math 360, 416, 423, 443, and one of 456 or 490 (Introduction to Stochastic Calculus. Suggested Courses: ACCTG 230 and 231, ECONS 101 and 102, FIN 325 and 350, and MATH 448 provide additional background for actuarial exams. MATH 499 (1-2 credits) provides additional preparation for the first two actuarial exams. Note: A minor in Business Administration is required if you plan to take FIN 325 and 350.~~

Applied Mathematics Option-

Required Courses: In addition to the core requirements, at least four upper division courses in mathematics that form a coherent program within the Applied Mathematics Option. These courses must be approved by your advisor.

Theoretical Mathematics Option-

Required Courses: Four of: MATH 302, 303, 325, 415, 441 and 453.

Secondary Mathematics Teaching Option-

See separate schedule of studies below.

First Year***First Term* *Hours***

Biological Sciences [BSCI] with lab 4

Creative & Professional Arts [ARTS] 3

ENGLISH 101 [WRTG] 3

~~HISTORY 105 [ROOT]~~ ~~3~~

MATH 171 [QUAN] 4

Second Term* *Hours

~~CPT S 121 or 251~~ ~~3 or 4~~

~~Creative & Professional Arts [ARTS]~~ ~~3~~

HISTORY 105 [ROOT] 3

MATH 172 4

~~MATH 220 or 230~~ ~~2 or 3~~

Social Sciences [SSCI]¹ 3

Second Year***First Term* *Hours***

~~Creative & Professional Arts [ARTS], Humanities [HUM], or Social Sciences [SSCI]¹~~ ~~3~~

Humanities [HUM] 3

MATH 273 2

~~MATH 300 [M]~~ ~~3~~

MATH 301 3

PHYSICS 201 [PSCI] 4

Foreign Language or Electives² 34

Second Term* *Hours

Creative & Professional Arts [ARTS], Humanities [HUM], or Social Sciences [SSCI]¹ 3

~~Diversity [DIVR]~~ ~~3~~

~~MATH 301~~ ~~3~~

MATH 315 3

MATH 360 3

MATH 398 1

	<u>Foreign Language or Electives</u> 4 Complete Writing Portfolio Third Year <i>First Term</i> <i>Hours</i> <u>Diversity [DIVR]</u> 3 ENGLISH 402 [WRTG], or Communication [COMM] or Written Communication [WRTG] 3 <u>MATH 300 [M]</u> 3 MATH 420 3 MATH Option Course ³ 3 Electives ² 63 <i>Second Term</i> <i>Hours</i> <u>ENGLISH 402 [WRTG] [M]</u> 3 Humanities [HUM] 3 MATH 398 4 MATH 421 [M] 3 MATH Option Course ³ 3 Electives ² 6 Fourth Year <i>First Term</i> <i>Hours</i> Integrative Capstone [CAPS] 3 MATH 401 [M] 3 MATH Option Course ³ 3 Electives ² 69 <i>Second Term</i> <i>Hours</i> MATH 402 [M] 3 <u>MATH 464 [CAPS]</u> 3 MATH Option Course³ 3 Electives ² 89	
	Footnotes ¹ Actuarial Science Option students should take ECONS 101, 102. ² See Mathematics Options list for suggested electives. Suggested elective courses for students pursuing Actuarial Science Option include ACCTG 230 and 231, ECONS 101 and 102, FIN 325 and 350, and MATH 448, which provide additional background for actuarial exams. Note: A minor in Business Administration is required to take FIN 325 and 350. ³ See Mathematics Options list for required option courses. Required option courses include: Actuarial Science – MATH 416, 423, and 443. Applied Math – MATH 364 and two of MATH 325, 416, 448, 453, 456, or 466; OR CPT S 122, MATH 364, 448, and one of MATH 416, 440, or 466; OR three of MATH 340, 415, 440, 448, and 486. Theoretical Math – Three of MATH 302, 325, 403, 415, 441, or 453.	
Mathematics	Mathematics - Secondary Teaching Option with	8-15

Revise graduation requirements for Bachelor of Science in **Mathematics – Secondary Teaching Option with Certification**

Certification (~~134~~ 124 Hours)

Mathematics Major Core Requirements

~~In addition to the UCORE requirements and the College of Arts and Sciences requirements, a mathematics major is required to take MATH 171, 172 (or 182), 220 (or 230), 273 (or 283), 300, 301, 315, 360 (or 443), 398, 401, 402, 420, 421, four additional 300-400 level MATH courses specified by a chosen option, CPT S 121 or 251, PHYSICS 201, and ENGLISH 402 (or 403 or non-native English speakers). These core courses are required for all mathematics major options, except the Secondary Mathematics Teaching Option, where CPT S 121 or 251, MATH 402 and 420 are not required, MATH 216, 330, and 403 are required, ENGLISH 201 (or 301) is required instead of 402, and MATH 320 may be substituted for 421. Courses required for the major may not be taken pass/fail, and a 2.0 minimum GPA is required.~~

Certification Requirements

1. Applications for certification are accepted at any time during fall and spring semesters. Decisions are made within ten working days of receipt of application. Application forms are available in the Mathematics Department office.
2. Applications are evaluated, and certification decided, by a faculty committee.
3. Applicants must have an overall GPA of at least 2.0.
4. The mathematics core consists of MATH 171, 172, and 220. ~~This core~~ These courses (or their equivalent for transfer students) must be completed before application.
5. Students with at least a 2.5 GPA in the mathematics core will be certified automatically. Those with less than a 2.0 GPA in the mathematics core will normally not be certified. Others will be considered on a case-by-case basis.
6. Appeals on certification decisions are considered by the department chairperson.
7. Students who are denied certification may reapply after completing at least 12 more semester hours, whereupon decisions are based on grades in mathematics, science, and computer science courses; cumulative grade point average and grade patterns; and a personal interview.
8. Certified students whose cumulative GPA or GPA in MATH courses numbered 171 and above falls below 2.0 for two consecutive semesters, or who are academically deficient, are subject to decertification.
9. Applications for recertification are handled in the same manner as certification applications for those previously denied.

~~SECONDARY MATHEMATICS TEACHING OPTION WITH CERTIFICATION~~

~~Required Courses: MATH 216, 330, 403, 431, 432 and two additional 3-credit 300-400-level Math classes. Mathematics major core courses CPT S 121 or 251, Math 402 and 420 are not required. Students must take ENGLISH 201 (or 301) instead of ENGLISH 402. Students may~~

substitute MATH 320 for 421.
 TCH LRN Requirements: Secondary education teacher certification also requires PSYCH 105, ED PSYCH 468, TCH LRN 301, 317, 415, 464, 465, 466, 467, 469 and 470. A consultation with a TCH LRN advisor must be consulted for approval and sequencing of TCH LRN courses.

First Year

<i>First Term</i>	<i>Hours</i>
Biological Sciences [BSCI] with lab	4
ENGLISH 101 [WRTG]	3
HISTORY 105 [ROOT]	3
<u>Humanities [HUM]</u>	<u>3</u>
MATH 171 [QUAN]	4

<i>Second Term</i>	<i>Hours</i>
Creative & Professional Arts [ARTS]	3
<u>HISTORY 105 [ROOT]</u>	<u>3</u>
Humanities [HUM]	3
MATH 172	4
MATH 220 or 230	2 or 3
PSYCH 105 [SSCI]	3
<u>Foreign Language, if needed</u>	<u>0-4</u>

Second Year

<i>First Term</i>	<i>Hours</i>
Creative & Professional Arts [ARTS], Humanities [HUM], or Social Sciences [SSCI]	3
ENGLISH 201 [WRTG] <u>or 301 [WRTG]</u>	3
MATH 216	2 <u>3</u>
<u>MATH 273</u>	<u>2</u>
MATH 300 [M]	3
PHYSICS 201 [PSCI]	4
<u>Foreign Language, if needed</u>	<u>0-4</u>

<i>Second Term</i>	<i>Hours</i>
Biological or Physical Sciences Elective	4
<u>Creative & Professional Arts [ARTS]</u>	<u>3</u>
Diversity [DIVR]	3
MATH 273	3
MATH 301	3
<u>MATH 315</u>	<u>3</u>
<u>MATH 398</u>	<u>1</u>

TCH LRN 301	3
Complete Writing Portfolio	
<u>Third Term</u>	<u>Hours</u>
<u>TCH LRN 317</u>	<u>2</u>
Third Year	
<i>First Term</i>	<i>Hours</i>
<u>Creative & Professional Arts [ARTS], Humanities [HUM], or Social Sciences [SSCI]</u>	<u>3</u>
<u>MATH 300 [M]</u>	<u>3</u>
MATH 330 [M]	3
MATH 360	3
MATH 401 [M] or 431	3
MATH 403	3
<u>300-400-level MATH Electives</u>	<u>3</u>
<i>Second Term</i>	<i>Hours</i>
<u>Diversity [DIVR]</u>	<u>3</u>
MATH 315	3
MATH 320 or 421 [M]	3
<u>MATH 360 or 443</u>	<u>3</u>
MATH 398	4
<u>300-400-level MATH Electives</u>	<u>3</u>
Electives	3
<i>Third Term</i>	<i>Hours</i>
(Summer) TCH LRN 317	2
Fourth Year	
<i>First Term</i>	<i>Hours</i>
Integrative Capstone [CAPS]	3
MATH 401 [M]	3
<u>MATH 431</u>	<u>3</u>
TCH LRN 464	3
TCH LRN 465	3
TCH LRN 466	2
<i>Second Term</i>	<i>Hours</i>
ED PSYCH 468	3
MATH 432 [CAPS]	3
TCH LRN 467 [M]	3
TCH LRN 469	2
TCH LRN 470	3

	<p>Fifth Year</p> <p><i>First Term</i> <i>Hours</i></p> <p>TCH LRN 415 (Student Teaching) 16</p>	
<p>Mathematics Revise graduation requirements for Bachelor of Science in Mathematics – Secondary Teaching Option Without Certification</p>	<p>Secondary Mathematics Teaching Option without Certification (120 Hours)</p> <p>Required Courses: MATH 216, 303, 330, 431, 432 and two additional 3-credit 300-400 level Math classes. Mathematics major core courses CPT S 121 or 251, Math MATH 402 and 420 are not required. Students must take ENGLISH 201 (or 301) instead of ENGLISH 402. Students may substitute MATH 320 for 421.</p> <p><u>Mathematics Major Core Requirements</u></p> <p>Courses required for the major may not be taken pass/fail, and a 2.0 minimum GPA is required.</p> <p><u>Certification Requirements</u></p> <ol style="list-style-type: none"> <u>1. Applications for certification are accepted at any time during fall and spring semesters. Decisions are made within ten working days of receipt of application. Application forms are available in the Mathematics Department office.</u> <u>2. Applications are evaluated, and certification decided, by a faculty committee.</u> <u>3. Applicants must have an overall GPA of at least 2.0.</u> <u>4. The mathematics core consists of MATH 171, 172, and 220. This core These courses (or their equivalent for transfer students) must be completed before application.</u> <u>5. Students with at least a 2.5 GPA in the mathematics core will be certified automatically. Those with less than a 2.0 GPA in the mathematics core will normally not be certified. Others will be considered on a case-by-case basis.</u> <u>6. Appeals on certification decisions are considered by the department chairperson.</u> <u>7. Students who are denied certification may reapply after completing at least 12 more semester hours, whereupon decisions are based on grades in mathematics, science, and computer science courses; cumulative grade point average and grade patterns; and a personal interview.</u> <u>8. Certified students whose cumulative GPA or GPA in MATH courses numbered 171 and above falls below 2.0 for two consecutive semesters, or who are academically deficient, are subject to decertification.</u> <u>9. Applications for recertification are handled in the same manner as certification applications for those previously denied.</u> <p>Recommended Courses: Four additional courses from the following—MATH 302, 325, 340, 351, 364, 415, 420, and 441.</p> <p>TCH LRN requirements: Since this option is without certification,</p>	<p>8-15</p>

there are no TCH LRN requirements.

First Year

<i>First Term</i>	<i>Hours</i>
Biological Sciences [BSCI] with lab	4
ENGLISH 101 [WRTG]	3
HISTORY 105 [ROOT]	3
<u>Humanities [HUM]</u>	<u>3</u>
MATH 171 [QUAN]	4

<i>Second Term</i>	<i>Hours</i>
Creative & Professional Arts [ARTS]	3
<u>ENGLISH 101 [WRTG]</u>	<u>3</u>
Humanities [HUM]	3
MATH 172	4
MATH 220 or 230	2 or 3
PSYCH 105 [SSCI]	3

Second Year

<i>First Term</i>	<i>Hours</i>
Creative & Professional Arts [ARTS], Humanities [HUM], or Social Sciences [SSCI]	3
<u>ENGLISH 201 [WRTG] or 301 [WRTG]</u>	3
MATH 216	3
<u>MATH 273</u>	<u>2</u>
MATH 300 [M]	3
PHYSICS 201 [PSCI]	4

<i>Second Term</i>	<i>Hours</i>
Diversity [DIVR]	3
MATH 273	2
MATH 301	3
<u>MATH 315</u>	<u>3</u>
MATH 360	2
<u>MATH 398</u>	<u>1</u>
Electives	6
<u>Complete Writing Portfolio</u>	

Third Year

<i>First Term</i>	<i>Hours</i>
<u>MATH 300 [M]</u>	<u>3</u>
MATH 303	3
MATH 315	3

	<p>MATH 330-[M] 3</p> <p>MATH 403 3</p> <p>MATH 431 3</p> <p><u>Foreign Language and/or Electives</u> 36</p> <p>Second Term Hours</p> <p>Electives 3</p> <p>MATH 320-or 421 [M] 3</p> <p><u>MATH 360 or 443</u> 3</p> <p>MATH 398 4</p> <p><u>300-400-level MATH Electives</u>¹ 93</p> <p><u>Foreign Language and/or Electives</u> 96</p> <p>Fourth Year</p> <p>First Term Hours</p> <p>Integrative Capstone [CAPS] 3</p> <p>MATH 401 [M] 3</p> <p><u>MATH 431</u> 3</p> <p>MATH Elective⁺ 3</p> <p>Electives 69</p> <p>Second Term Hours</p> <p>MATH 402 3</p> <p><u>MATH 432 [CAPS]</u> 3</p> <p><u>300-400-level MATH Electives</u>¹ 63</p> <p><u>300-400-level Electives</u> 63</p> <p>Electives 46</p> <hr/> <p>Footnotes</p> <p>¹ MATH Elective courses <u>include any must be 3-credit 300-400-level MATH courses not required to fulfill a major requirement.</u></p>	
<p>Mechanical and Materials Engineering Revise graduation requirements for Bachelor of Science in Mechanical Engineering</p>	<p>Mechanical Engineering (125 Hours)</p> <p>First Year</p> <p>First Term Hours</p> <p>CHEM 105 [PSCI] 4</p> <p><u>Creative & Professional Arts [ARTS]</u> 3</p> <p>ENGLISH 101 [WRTG] 3</p> <p>ENGR 120 2</p> <p>HISTORY 105 [ROOT] 3</p> <p>MATH 171 [QUAN] 4</p> <p>Second Term Hours</p>	8-15

Biological Sciences [BSCI]	3
CHEM 106	4
Creative & Professional Arts [ARTS]	3
<u>ENGLISH 101 [WRTG]</u>	<u>3</u>
MATH 172	4
ME 116	2
Second Year	
<i>First Term</i>	<i>Hours</i>
CE 211	3
CPT S 121, 251, 253 , or E E 221	<u>2 or 4</u>
ECONS 102 [SSCI]	3
MATH 220	2
MATH 273	2
PHYSICS 201	4
<i>Second Term</i>	<i>Hours</i>
CE 215	3
MATH 315	3
ME 212	3
ME 216	2
ME 220	1
PHYSICS 202	4
Complete Writing Portfolio	
Third Year	
<i>First Term</i>	<i>Hours</i>
E E 304	2
MATH/STAT 370	3
ME 301	3
ME 303	3
ME 313	3
MSE 201	3
<i>Second Term</i>	<i>Hours</i>
Humanities [HUM]	3
<u>ME 304</u>	<u>3</u>
ME 305-306	2
ME 310	2
ME 311	1
ME 316 [M]	3
ME 348	3
ME 404	<u>3</u>

	<p>Fourth Year</p> <p><i>First Term</i> <i>Hours</i></p> <p>Diversity [DIVR] 3</p> <p>ME 401 3</p> <p>ME 402 <u>405</u> 3</p> <p>ME 414 3</p> <p>Technical Elective¹ 3</p> <p><i>Second Term</i> <i>Hours</i></p> <p>ENGLISH 402 [WRTG] [M] 3</p> <p>ME 406 [M] 3</p> <p>ME 416 [CAPS] 3</p> <p>Technical Elective¹ 3</p> <p>Complete Fundamentals of Engineering Exam</p> <hr/> <p>Footnotes</p> <p>¹ Technical Elective: ME 431, 436, 439, or as approved by advisor. <u>Any 400-500-level ME or MSE course not listed as a major requirement (MSE 440 excluded).</u></p>	
<p>Music Revise graduation requirements for Bachelor of Music with Elective Studies in Education.</p>	<p>Bachelor of Music with Elective Studies in Education (120 <u>126</u> Hours)</p> <p>First Year</p> <p><i>First Term</i> <i>Hours</i></p> <p>Applied MUS (300-level) 2</p> <p><u>Biological Sciences [BSCI] with lab or SCIENCE 101 [SCI]</u>¹ <u>4</u></p> <p>HISTORY 105 [ROOT] 3</p> <p>Humanities [HUM] 3</p> <p>MUS 181⁺² 0 or 1</p> <p>MUS 251⁺³ 3</p> <p>MUS 252⁺³ 1</p> <p>MUS Ensemble⁻³⁴ 1</p> <p>PSYCH 105 [SSCH] 3</p> <p><u>Quantitative Reasoning [QUAN]</u> <u>3</u></p> <p><i>Second Term</i> <i>Hours</i></p> <p>Applied MUS (300-level) 2</p> <p>ENGLISH 101 [WRTG] 3</p> <p>MUS 164 1</p> <p>MUS 182⁺² 0 or 1</p> <p>MUS 190 1</p> <p>MUS 253⁺⁵ 3</p>	<p>8-15</p>

MUS 254 ⁴⁵	1
MUS Ensemble ³⁴	1
<u>Physical Sciences [PSCI] with lab or SCIENCE 102 [SCI]¹</u>	<u>4</u>
<u>Quantitative Reasoning [QUAN]</u>	<u>3</u>
Second Year	
<i>First Term</i>	<i>Hours</i>
Applied MUS (300-level)	2
Biological Sciences [BSCI] with lab or SCIENCE 101 [SCI]⁵	4
<u>Humanities [HUM]</u>	<u>3</u>
MUS 281	0 or 1
MUS 351 ²³	3
MUS 352 ²³	1
MUS 491 ²³	2
MUS Ensemble ³⁴	1
TCH LRN 301	3
<i>Second Term</i>	<i>Hours</i>
Applied MUS (300-level)	2
ENGLISH 201 [WRTG]	3
MUS 353 ⁴⁵	3
MUS 354 ⁴⁵	1
MUS 359 [HUM] [M] ^{45,6}	3
MUS 490 ⁴⁵	3
MUS Ensemble ³⁴	1
TCH LRN 317	2
Complete Writing Portfolio	
May Field Experience	
Certify Major, Certify TCH LRN	
Third Year	
<i>First Term</i>	<i>Hours</i>
Applied MUS (300 or 400-level)	2
MUS 258 ²³	2
MUS 360 [M] ²³	3
MUS 455 ²³	2
MUS Ensemble ³⁴	1
TCH LRN 464	3
TCH LRN 465	3
<i>Second Term</i>	<i>Hours</i>
Applied MUS (300 or 400-level)	2
Creative & Professional Arts [ARTS]	3

	<p>MUS 361⁴⁵ 3</p> <p>MUS 428 or 435 1</p> <p><u>MUS Electives</u> 3</p> <p>Physical Sciences [PSCI] with lab or SCIENCE 102 [SCI]⁵ 4</p> <p><u>PSYCH 105 [SSCI]</u> 3</p> <p>TCH LRN 470 3</p> <p>Fourth Year</p> <p><i>First Term</i> <i>Hours</i></p> <p>Applied MUS (400-level) 2</p> <p><u>Diversity [DIVR]</u> 3</p> <p>Integrative Capstone [CAPS] 3</p> <p>MUS 103 or 319 2</p> <p>MUS Endorsement Electives⁶ 4</p> <p>MUS Ensemble-³⁴ 1</p> <p>Reserve Credit for MA recommended</p> <p><i>Second Term</i> <i>Hours</i></p> <p>Diversity [DIVR] 3</p> <p><u>ED PSYCH 468</u> 3</p> <p>MUS 482 or 483 1</p> <p>MUS Electives 3</p> <p>MUS Endorsement Electives⁶ 4</p> <p><u>TCH LRN 467</u> 3</p> <p><u>TCH LRN 470</u> 3</p> <p>Reserve Credit for MA recommended</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 Class piano credits not required in degree.</p> <p>³ Fall only.</p> <p>³⁴ Music ensembles: A minimum of 1 hour during each of 7 semesters to include at least one semester of MUS 435 and a minimum of four instrumental, or one semester of choral small ensemble and a minimum <u>minimum</u> of four choral.</p> <p>⁴⁵ Spring only.</p> <p>⁵ Two lab sciences required to fulfill the College of Arts and Sciences Requirement.</p> <p>⁶ MUS 359 fulfills the College of Arts and Sciences additional 3-unit requirement.</p> <p>⁶ <u>Approved MUS Endorsement Electives include: MUS 480,482,483,487, 489, 493 and 494. Eight credits are required, including at least one term of MUS 480.</u></p>	
<p>Music Revise graduation requirements for Bachelor of Arts in Music Education –</p>	<p>Music Education - Instrumental/General Endorsement Option (136 <u>139</u> Hours)</p> <p>Third Year</p>	<p>8-15</p>

Instrumental/General Endorsement Option.		Hours
	<i>First Term</i>	
	Applied MUS (300-level)	2
	<u>Biological Sciences [BSCI] with lab or SCIENCE 101 [SCI]⁶</u>	<u>4</u>
	MUS 360 [M] ²	3
	MUS 482 ²	1
	MUS Ensemble ³	1
	Physical Sciences [PSCI] with lab or SCIENCE 102 [SCI]⁶	4
	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]⁶	4
	Diversity [DIVR]	3
	MUS 361 ⁴	3
	MUS Ensemble ³	1
	<u>Physical Sciences [PSCI] with lab or SCIENCE 102 [SCI]⁶</u>	<u>4</u>
	Fourth Year	
	<i>First Term</i>	<i>Hours</i>
	Applied MUS (400-level)	2
	<u>Humanities [HUM]</u>	<u>3</u>
	MUS 435	1
	MUS 455 ²	2
	MUS 480 ⁷⁶	3
	MUS 493 ⁷⁶	2
	TCH LRN 470	3
	<i>Second Term</i>	<i>Hours</i>
	ED PSYCH 468	3
	Humanities [HUM]	3
	Integrative Capstone [CAPS]	3
	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	
	<i>First Term</i>	<i>Hours</i>
	MUS 497	4
	TCH LRN 415	12

Footnotes

- ¹ Class piano credits not required in degree.
- ² Fall only.
- ³ Four semesters of instrumental ensemble required from MUS 434-438 or 440, 441, 442, 443, and 444
- ⁴ Spring only.
- ⁵ ~~MUS 359 fulfills the College of Arts and Sciences additional 3-unit requirement.~~
- ⁶⁵ ~~Two lab sciences required to fulfill the College of Arts and Sciences Requirement. 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.~~
- ⁷⁶ Fall, alternate years only.
- ⁸⁷ Spring, alternate years only.

Music
Revise graduation requirements for Bachelor of Arts in **Music Education – Choral/General Endorsement Option.**

Music Education - Choral/General Endorsement Option (135 ~~138~~ Hours)

8-15

First Year

<i>First Term</i>	<i>Hours</i>
Applied MUS (300-level)	2
<u>Biological Sciences [BSCI] with lab or SCIENCE 101 [SCI]¹</u>	<u>4</u>
Creative & Professional Arts [ARTS]	3
HISTORY 105 [ROOT]	3
MUS 181 ¹²	0 or 1
MUS 251 ²³	3
MUS 252 ²³	1
MUS Ensemble ³⁴	1
PSYCH 105 [SSCI]	3
<u>Quantitative Reasoning [QUAN]</u>	<u>3</u>

<i>Second Term</i>	<i>Hours</i>
Applied MUS (300-level)	2
ENGLISH 101 [WRTG]	3
MUS 164	1
MUS 182 ¹²	0 or 1
MUS 190	1
MUS 253 ⁴⁵	3
MUS 254 ⁴⁵	1
MUS Ensemble ³⁴	1
<u>Physical Sciences [PSCI] with lab or SCIENCE 102 [SCI]¹</u>	<u>4</u>
Quantitative Reasoning [QUAN]	3

Second Year

<i>First Term</i>	<i>Hours</i>
-------------------	--------------

Applied MUS (300-level)	2
ENGLISH 201 [WRTG]	3
MUS 281 ¹²	0 or 1
MUS 351 ²³	3
MUS 352 ²³	1
MUS 491 ²³	2
MUS Ensemble ³⁴	1
TCH LRN 301	3
<i>Second Term</i>	<i>Hours</i>
Applied MUS (300-level)	2
Humanities [HUM]	3
MUS 353 ⁴⁵	3
MUS 354 ⁴⁵	1
MUS 359 [HUM] [M] ^{4,5}	3
MUS 490 ⁴⁵	3
MUS Ensemble ³⁴	1
TCH LRN 317	2
May Field Experience	
Certify Major, Certify TCH LRN	
Complete Writing Portfolio	
<i>Third Year</i>	
<i>First Term</i>	<i>Hours</i>
Applied MUS (300 or 400-level)	2
MUS 360 [M] ²³	3
MUS 482 ²³	1
MUS 488 ⁶⁷	2
MUS Ensemble ³⁴	1
TCH LRN 464	3
TCH LRN 465	3
<i>Second Term</i>	<i>Hours</i>
Applied MUS (300 or 400-level)	2
<u>Diversity [DIVR]</u>	<u>3</u>
MUS 361 ⁴⁵	3
MUS 483 ⁴⁵	1
MUS 489 ⁷	2
MUS Ensemble ³⁴	1
Physical Sciences [PSCI] with lab or SCIENCE 102 [SCI] ⁸	4
<u>PSYCH 105 [SSCI]</u>	<u>3</u>
Music Senior Qualifying Exam	

	<p>Fourth Year</p> <p><i>First Term</i> <i>Hours</i></p> <p>Applied MUS (400-level) 2</p> <p>Biological Sciences [BSCI] with lab or SCIENCE 101 [SCI]⁸ 4</p> <p><u>Creative & Professional Arts [ARTS]</u> <u>3</u></p> <p>MUS 428 1</p> <p>MUS 455 2</p> <p>MUS 480⁶ 3</p> <p>TCH LRN 470 3</p> <p><i>Second Term</i> <i>Hours</i></p> <p>Diversity [DVR] 3</p> <p>ED PSYCH 468 3</p> <p>Integrative Capstone [CAPS] 3</p> <p>MUS 282 1</p> <p><u>TCH LRN 467</u> <u>3</u></p> <p>TCH LRN 469 2</p> <p><u>TCH LRN 470</u> <u>3</u></p> <p>Fifth Year</p> <p><i>First Term</i> <i>Hours</i></p> <p>MUS 497 4</p> <p>TCH LRN 415 12</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>² Class piano credits not required in degree.</p> <p>³ Fall only.</p> <p>⁴ A minimum of 4 semesters of vocal ensembles required.</p> <p>⁵ Spring only.</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 Spring, alternate years only.</p> <p>⁸ Two lab sciences required to fulfill the College of Arts and Sciences Requirement.</p>	
<p>Music Revise graduation requirements for Bachelor of Arts in Music</p>	<p>Bachelor of Arts in Music (120 Hours)</p> <p>This four-year program is designed to meet the needs of students wishing a broad liberal arts background with a major in music. Of the total 120 credits required for a degree in this program, <u>50 credits are in music and 70 credits are devoted to courses outside music, including the University Common Requirements (UCOREs).</u> Non-music courses other than those used for the UCOREs must be at the 200-level or above. 40 credits of the 120 required for the degree must be in 300-</p>	<p>8-15</p>

400-level. Music credits beyond the required 50 credits in music add to the number of credits required in the degree. Other requirements include: C or better in all music courses; 2.5 music average; senior qualifying exam; piano proficiency exam or grade of C or better in MUS 182.

First Year

<i>First Term</i>	<i>Hours</i>
Applied MUS (300-level) ¹	2
ENGLISH 101 [WRTG]	3
MUS 164	1
MUS 181 ^{1,2}	0 or 1
MUS 251 ^{2,3}	3
MUS 252 ^{2,3}	1
MUS Ensemble ^{3,4}	1
<u>Quantitative Reasoning [QUAN]</u>	<u>3</u>
Physical Sciences [PSCI] with lab or SCIENCE 102 [SCI] ⁴	4

<i>Second Term</i>	<i>Hours</i>
Applied MUS (300-level) ¹	2
<u>Creative & Professional Arts [ARTS]</u>	<u>3</u>
Biological Sciences [BSCI] with lab or SCIENCE 101 [SCI] ⁴	4
HISTORY 105 [ROOT]	3
MUS 182 ¹	0 or 1
MUS 253 ⁵	3
MUS 254 ⁵	1
MUS Ensemble ³	1

Second Year

<i>First Term</i>	<i>Hours</i>
Applied MUS (300-level) ¹	2
<u>Biological Sciences [BSCI] with lab or SCIENCE 101 [SCI]</u> ⁶	4
Communication [COMM] or Written Communication [WRTG]	3
MUS 351 ^{2,3}	3
MUS 352 ^{2,3}	1
MUS Ensemble ^{3,4}	1
Quantitative Reasoning [QUAN]	3
Social Sciences [SSCI]	3

<i>Second Term</i>	<i>Hours</i>
Applied MUS (300-level) ¹	2
Creative & Professional Arts [ARTS]	3
MUS 353 ⁵	3

	MUS 354 ⁵	1	
	MUS 359 [HUM] [M] ^{5,6}	3	
	MUS Ensemble ³⁴	1	
	<u>Physical Sciences [PSCI] with lab or SCIENCE 102 [SCI]</u> ⁶	<u>4</u>	
	Complete Writing Portfolio		
	Pass Qualifying Exam <u>Piano Proficiency</u>		
	Third Year		
	<i>First Term</i>		<i>Hours</i>
	<u>Foreign Language and/or 200-400-level Non-Music Electives</u>	8	
	Diversity [DIVR]	3	
	MUS 360 [M] ²³	3	
	MUS Ensemble ³⁴	1	
	<i>Second Term</i>		<i>Hours</i>
	<u>Foreign Language and/or 200-400-level Non-Music Electives</u>	9	
	MUS 361 ⁵	3	
	MUS Ensemble ³⁴	1	
	PHIL 103 [HUM]	3	
	Fourth Year		
	<i>First Term</i>		<i>Hours</i>
	200-400-level Non-Music Elective	8	
	300-400-level Music Electives	4	
	Integrative Capstone [CAPS]	3	
	<i>Second Term</i>		<i>Hours</i>
	200-400-level Non-Music Electives	10	
	300-400-level Music Electives	6	
	Footnotes		
	¹ <u>Applied MUS courses are: MUS 301, 302, 303, 304, 305, 306, 307, 308, 309, 310, 311, 312, 313, 314, 315, 316, 317, 318, 320, 401, 402, 403, 404, 405, 406, 407, 408, 409, 410, 411, 412, 413, 414, 415, 416, 417, 418, and 420</u>		
	² Class piano credits not required in degree.		
	²³ Fall only.		
	³⁴ Chosen from MUS 428, 431, 432, 433, 434, 435, 436, 437, 438, 439, 440, 441, 444.		
	⁴ Two lab sciences required to fulfill the College of Arts and Sciences Requirement.		
	⁵ Spring only.		
	⁶ MUS 359 fulfills the College of Arts and Sciences additional 3-unit requirement.		
	⁶ <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>		
Music Revise graduation	Music Composition Degree (120 Hours)		8-15

requirements for Bachelor of Arts in Music – Music Composition	First Year	
	<i>First Term</i>	<i>Hours</i>
	Applied MUS (200-level) ¹	2
	ENGLISH 101 [WRTG]	3
	HISTORY 105 [ROOT]	3
	<u>Humanities [HUM]</u>	<u>3</u>
	MUS 164	1
	MUS 181 ¹²	0 or 1
	MUS 251 ²³	3
	MUS 252 ²³	1
	MUS Ensemble ³⁴	1
	<u>Foreign Language, if needed</u>	<u>0-4</u>
	<i>Second Term</i>	<i>Hours</i>
	Applied MUS (300-level) ¹	2
	Communication [COMM] or Written Communication [WRTG]	3
	<u>HISTORY 105 [ROOT]</u>	<u>3</u>
	Humanities [HUM]	3
	MUS 182 ¹²	0 or 1
	MUS 253 ⁴⁵	3
	MUS 254 ⁴⁵	1
	MUS Ensemble ³⁴	1
	<u>Quantitative Reasoning [QUAN]</u>	<u>3</u>
	<u>Foreign Language, if needed</u>	<u>0-4</u>
	Second Year	
	<i>First Term</i>	<i>Hours</i>
	Applied MUS (300-level) ¹	2
	Biological Sciences [BSCI] with lab or SCIENCE 101 [SCI] ⁵⁶	4
	<u>Communication [COMM] or Written Communication [WRTG]</u>	<u>3</u>
	MUS 256	2
	MUS 281 ¹²	0 or 1
	MUS 351 ²³	3
	MUS 352 ²³	1
MUS Ensemble ³⁴	1	
<u>Quantitative Reasoning [QUAN]</u>	<u>3</u>	
<u>Piano Proficiency</u>		
<i>Second Term</i>	<i>Hours</i>	
Applied MUS (300-level) ¹	2	

MUS 256	2
MUS 353 ⁴⁵	3
MUS 354 ⁴⁵	1
MUS 359 [HUM] [M] ^{45,6}	3
MUS Ensemble (Choral) ⁷	1
<u>Physical Sciences [PSCI] with lab or SCIENCE 102 [SCI]⁵</u>	<u>4</u>
Social Sciences [SSCI]	3
Complete Writing Portfolio	
Third Year	
<i>First Term</i>	<i>Hours</i>
Applied MUS (300-level) ¹	2
MUS 256	2
MUS 360 [M] ²³	3
MUS 451 ⁸	2
MUS Ensemble ³⁴	1
Music Electives	2
Physical Sciences [PSCI] with lab or SCIENCE 102 [SCI]⁵	4
Social Sciences [SSCI]	3
<i>Second Term</i>	<i>Hours</i>
Applied MUS 202, or 302, or 319	2
Creative & Professional Arts [ARTS]	3
MUS 361 ⁴⁵	3
MUS 456	4
MUS 483	1
MUS Ensemble ³⁴	1
Music Electives	2
Fourth Year	
<i>First Term</i>	<i>Hours</i>
Applied MUS 202, or 302, or 319	2
Diversity [DIVR]	3
MUS 455 ²³	2
MUS 456	4
MUS 482 ²³	1
MUS Ensemble ³⁴	1
Music Electives	3
<i>Second Term</i>	<i>Hours</i>
Integrative Capstone [CAPS]	3
MUS 452 ⁹	2
MUS 456	4

	<p>MUS Ensemble³⁴ 1 Music Electives 4 Complete Qualifying Exam Composition Half Recital</p> <hr/> <p>Footnotes</p> <p>¹ 10 credits required in one musical instrument. ⁺² Class piano credits not required. ²³ Fall only. ³⁴ Chosen from MUS 428-, 431, 432, 433, 434, 435, 436, 437, 438, 439, 440, 441, 444. ⁴⁵ Spring only. ⁵⁶ <u>Two lab sciences required to fulfill the College of Arts and Sciences Requirement. 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> ⁶ MUS 359 fulfills the College of Arts and Sciences additional 3-unit requirement. ⁷ Chosen from MUS 423, 428, 431, 433, and 439. ⁸ Fall, alternate years only. ⁹ Spring, alternate years only.</p>																																			
<p>Music Revise graduation requirements for Bachelor of Arts in Music for Music Performance – Brass, Percussion, Strings, Winds Option</p>	<p>Music Performance - Brass, Percussion, Strings, Winds Option (1202 Hours)</p> <p>Requirements include: junior and senior qualifying exams; piano proficiency exam; 2.5 <u>GPA or better average</u> in all music courses; C or better in all music courses; junior and senior recitals.</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>Applied MUS (300-level)¹</td> <td>4</td> </tr> <tr> <td>Biological Sciences [BSCI] with lab or SCIENCE 101 [SCI]¹</td> <td>4</td> </tr> <tr> <td><u>Creative & Professional Arts [ARTS]</u></td> <td><u>3</u></td> </tr> <tr> <td>ENGLISH 101 [WRTG]</td> <td>3</td> </tr> <tr> <td>MUS 181²</td> <td>0 or 1</td> </tr> <tr> <td>MUS 251³</td> <td>3</td> </tr> <tr> <td>MUS 252³</td> <td>1</td> </tr> <tr> <td>MUS Ensemble⁴</td> <td>1</td> </tr> <tr> <th><i>Second Term</i></th> <th><i>Hours</i></th> </tr> <tr> <td>Applied MUS (300-level)¹</td> <td>4</td> </tr> <tr> <td>HISTORY 105 [ROOT]</td> <td>3</td> </tr> <tr> <td>Humanities [HUM]</td> <td>3</td> </tr> <tr> <td>MUS 164</td> <td>1</td> </tr> <tr> <td>MUS 182²</td> <td>0 or 1</td> </tr> <tr> <td>MUS 253⁵</td> <td>3</td> </tr> <tr> <td>MUS 254⁵</td> <td>1</td> </tr> </tbody> </table>	<i>First Term</i>	<i>Hours</i>	Applied MUS (300-level) ¹	4	Biological Sciences [BSCI] with lab or SCIENCE 101 [SCI]¹	4	<u>Creative & Professional Arts [ARTS]</u>	<u>3</u>	ENGLISH 101 [WRTG]	3	MUS 181 ²	0 or 1	MUS 251 ³	3	MUS 252 ³	1	MUS Ensemble ⁴	1	<i>Second Term</i>	<i>Hours</i>	Applied MUS (300-level) ¹	4	HISTORY 105 [ROOT]	3	Humanities [HUM]	3	MUS 164	1	MUS 182 ²	0 or 1	MUS 253 ⁵	3	MUS 254 ⁵	1	<p>8-15</p>
<i>First Term</i>	<i>Hours</i>																																			
Applied MUS (300-level) ¹	4																																			
Biological Sciences [BSCI] with lab or SCIENCE 101 [SCI]¹	4																																			
<u>Creative & Professional Arts [ARTS]</u>	<u>3</u>																																			
ENGLISH 101 [WRTG]	3																																			
MUS 181 ²	0 or 1																																			
MUS 251 ³	3																																			
MUS 252 ³	1																																			
MUS Ensemble ⁴	1																																			
<i>Second Term</i>	<i>Hours</i>																																			
Applied MUS (300-level) ¹	4																																			
HISTORY 105 [ROOT]	3																																			
Humanities [HUM]	3																																			
MUS 164	1																																			
MUS 182 ²	0 or 1																																			
MUS 253 ⁵	3																																			
MUS 254 ⁵	1																																			

MUS Ensemble ⁴	1
<u>Quantitative Reasoning [QUAN]</u>	<u>3</u>
Second Year	
<i>First Term</i>	<i>Hours</i>
Applied MUS (300-level) ¹	4
Communication [COMM] or Written Communication [WRTG]	3
MUS 351 ³	3
MUS 352 ³	1
MUS Ensemble ⁴	1
Social Sciences [SSCI]	3
<i>Second Term</i>	<i>Hours</i>
Applied MUS (300-level) ¹	4
<u>Humanities [HUM]</u>	<u>3</u>
MUS 281 ²	0 or 1
MUS 353 ⁵	3
MUS 354 ⁵	1
MUS 359 [HUM] [M] ^{5,6}	3
MUS 487, 493, or 494 ⁶	0-2
MUS Ensemble ⁴	1
Quantitative Reasoning [QUAN]	3
Complete Writing Portfolio	
<u>Piano Proficiency</u>	
Third Year	
<i>First Term</i>	<i>Hours</i>
Applied MUS (300 or 400-level) ¹	4
<u>Biological Sciences [BSCI] with lab or SCIENCE 101 [SCI]⁷</u>	<u>4</u>
Creative & Professional Arts [ARTS]	3
Diversity [DIVR]	3
MUS 360 [M] ³	3
MUS 435	1
<u>300-400-level MUS Electives</u>	2
<i>Second Term</i>	<i>Hours</i>
Applied MUS (300 or 400-level) ¹	4
<u>MUS 319</u>	<u>2</u>
MUS 361 ⁵	3
MUS 435	1
<u>300-400-level MUS Electives</u>	2
Physical Sciences [PSCI] with lab or SCIENCE 102 [SCI] ¹⁷	4

	<p><u>Junior Recital</u></p> <p>Fourth Year</p> <p><i>First Term</i> <i>Hours</i></p> <p>Applied MUS (300 or 400-level) 4</p> <p>MUS 455³ 2</p> <p>MUS 465⁸ 2</p> <p>MUS 482³ 1</p> <p><u>300-400-level MUS Electives</u> 4</p> <p>MUS Ensemble⁴ 1</p> <p><u>Foreign Language, if needed</u> <u>0-4</u></p> <p><u>Upper Division Examination</u></p> <p><i>Second Term</i> <i>Hours</i></p> <p>Applied MUS (400-level) 4</p> <p>Integrative Capstone [CAPS] 3</p> <p><u>300-400-level MUS Electives</u> 4</p> <p>MUS MUS Ensemble⁴ 1</p> <p><u>Foreign Language, if needed</u> <u>0-4</u></p> <p><u>Electives</u> <u>2</u></p> <p><u>Senior Recital</u></p> <hr/> <p>Footnotes</p> <p>¹ Two lab sciences required to fulfill the College of Arts and Sciences Requirement. <u>Applied MUS courses are: MUS 304-318, 404-418.</u></p> <p>² Class piano credits not required.</p> <p>³ Fall only.</p> <p>⁴ Chosen from MUS 428-, <u>431, 432, 433, 434, 435, 436, 437, 438, 439, 440, 441, 444.</u></p> <p>⁵ Spring only.</p> <p>⁶ MUS 359 fulfills the College of Arts and Sciences additional 3-unit requirement.</p> <p>⁷ Two credits of pedagogy are required in respective area: string (487), wind/percussion (493), or brass (494).</p> <p>⁷ <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>⁸ Fall, alternate years only.</p>	
<p>Music Revise graduation requirements for Bachelor of Arts in Music for Music Performance – Keyboard Option</p>	<p>Music Performance - Keyboard Option (120 Hours) Requirements include: Accompany a junior, senior, or graduate recital; piano proficiency exam; junior and senior qualifying exams; junior recital; senior recital; <u>2.5 average GPA or better</u> in all music courses; <u>and C or better</u> in all music courses.</p> <p>First Year</p> <p><i>First Term</i> <i>Hours</i></p> <p>Applied MUS 301 or 302 4</p>	<p>8-15</p>

ENGLISH 101 [WRTG]	3
HISTORY 105 [ROOT]	3
<u>Humanities [HUM]</u>	<u>3</u>
MUS 164	1
MUS 251 ¹	3
MUS 252 ¹	1
MUS 441	1
<i>Second Term</i>	<i>Hours</i>
Applied MUS 301 or 302	4
Biological Sciences [BSCI] with lab or SCIENCE 101 [SCI]²	4
<u>ENGLISH 101 [WRTG]</u>	<u>3</u>
Humanities [HUM]	3
MUS 253 ^{3,2}	3
MUS 254 ^{3,2}	1
MUS 441	1
<u>Quantitative Reasoning [QUAN]</u>	<u>3</u>
Second Year	
<i>First Term</i>	<i>Hours</i>
Applied MUS 301 or 302	4
Communication [COMM] or Written Communication [WRTG]	3
MUS 351 ¹	3
MUS 352 ¹	1
MUS 441	1
Social Sciences [SSCI]	3
<i>Second Term</i>	<i>Hours</i>
Applied MUS 301 or 302	4
MUS 353 ^{3,2}	3
MUS 354 ^{3,2}	1
MUS 359 [HUM] [M] ^{2,3,4}	3
MUS 441	1
MUS 498	2
<u>300-400-level Music Electives</u>	<u>2</u>
Complete Writing Portfolio	
<u>Piano Proficiency</u>	
Third Year	
<i>First Term</i>	<i>Hours</i>
Applied MUS 301/401 or 302/402	4
<u>Biological Sciences [BSCI] with lab or SCIENCE 101 [SCI]⁴</u>	<u>4</u>

Creative & Professional Arts [ARTS]	3
Diversity [DIVR]	3
MUS 360 [M] ¹	3
MUS 435	1
MUS 465 ^{1,53}	2
<i>Second Term</i>	<i>Hours</i>
Applied MUS 301/401 or 302/402	4
MUS 361 ³²	3
MUS 441	1
MUS 483 or 482 ⁶	1
<u>300-400-level Music Electives</u>	2
<u>Physical Sciences [PSCI] with lab or SCIENCE 102 [SCI]⁴</u>	4
<u>Quantitative Reasoning [QUAN]</u>	3
<u>Junior Recital</u>	
Fourth Year	
<i>First Term</i>	<i>Hours</i>
Applied MUS 301/401 or 302/402	4
<u>Creative & Professional Arts [ARTS]</u>	<u>3</u>
<u>MUS 319</u>	<u>2</u>
MUS 441	1
MUS 451 ⁷⁵	2
<u>300-400-level Music Electives</u>	1
<u>Physical Sciences [PSCI] with lab or SCIENCE 102 [SCI]²⁵</u>	4
Secondary Instrument (MUS 319)	2
<u>Foreign Language, if needed</u>	<u>0-4</u>
<u>Upper Division Examination</u>	
<i>Second Term</i>	<i>Hours</i>
Applied MUS 401 or 402	4
Integrative Capstone [CAPS]	3
Large Ensemble - MUS 431, 432, 434, 436, 437, 438	1
<u>300-400-level Music Electives</u>	5
<u>Foreign Language, if needed</u>	<u>0-4</u>
<u>Senior Recital</u>	

Footnotes

¹ Fall only.

² ~~Two lab sciences required to fulfill the College of Arts and Sciences Requirement.~~

³² Spring only.

⁴ ~~MUS 359 fulfills the College of Arts and Sciences additional 3-unit requirement.~~

⁵³ Courses are taught alternate years.

⁶ ~~One credit of MUS 482 or 483 is required.~~

	<p>⁴ To meet University and College of Arts and Sciences requirements, students must take a <u>[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>⁷⁵ Fall, alternate years only.</p>																																																	
<p>Music Revise graduation requirements for Bachelor of Arts in Music for Music Performance – Percussion, Saxophone, String Bass, Trumpet, Guitar, and Keyboard (Jazz Studies)</p>	<p>Music Performance - Percussion, Saxophone, String Bass, Trumpet, Guitar, and Keyboard (Jazz Studies) (120 Hours)</p> <p>This option with an emphasis in jazz is available to students whose major instruments are percussion, saxophone, string bass, trumpet, guitar, or keyboard.</p> <p>Requirements include: junior and senior qualifying exams; piano proficiency exam; 2.5 average in all music courses; C or better in all music courses; junior and senior recitals.</p> <p>First Year</p> <table data-bbox="406 751 1315 1564"> <thead> <tr> <th><i>First Term</i></th> <th><i>Hours</i></th> </tr> </thead> <tbody> <tr> <td>Applied MUS (300 level)¹</td> <td>4</td> </tr> <tr> <td><u>Biological Sciences [BSCI] with lab or SCIENCE 101 [SCI]</u>²</td> <td>4</td> </tr> <tr> <td>ENGLISH 101 [WRTG]</td> <td>3</td> </tr> <tr> <td>MUS 251⁴³</td> <td>3</td> </tr> <tr> <td>MUS 252⁴³</td> <td>1</td> </tr> <tr> <td>MUS Ensemble 428, <u>431-441</u>, 444²⁴</td> <td>1</td> </tr> <tr> <td>Physical Sciences [PSCI] with lab or SCIENCE 102 [SCI]³</td> <td>4</td> </tr> <tr> <th><i>Second Term</i></th> <th><i>Hours</i></th> </tr> <tr> <td>Applied MUS (300 level)¹</td> <td>4</td> </tr> <tr> <td>HISTORY 105 [ROOT]</td> <td>3</td> </tr> <tr> <td>Humanities [HUM]</td> <td>3</td> </tr> <tr> <td>MUS 164</td> <td>1</td> </tr> <tr> <td>MUS 181⁴⁵</td> <td>0-1</td> </tr> <tr> <td>MUS 253⁵⁶</td> <td>3</td> </tr> <tr> <td>MUS 254⁵⁶</td> <td>1</td> </tr> <tr> <td>MUS Ensemble 428, <u>431-441</u>, 444²⁴</td> <td>1</td> </tr> <tr> <td><u>Quantitative Reasoning [QUAN]</u></td> <td><u>3</u></td> </tr> </tbody> </table> <p>Second Year</p> <table data-bbox="406 1663 1315 1953"> <thead> <tr> <th><i>First Term</i></th> <th><i>Hours</i></th> </tr> </thead> <tbody> <tr> <td>Applied MUS (300 level)¹</td> <td>4</td> </tr> <tr> <td>Communication [COMM] or Written Communication [WRTG]</td> <td>3</td> </tr> <tr> <td><u>Humanities [HUM]</u></td> <td><u>3</u></td> </tr> <tr> <td>MUS 182⁴⁵</td> <td>0-1</td> </tr> <tr> <td>MUS 257⁶⁷</td> <td>2</td> </tr> </tbody> </table>	<i>First Term</i>	<i>Hours</i>	Applied MUS (300 level) ¹	4	<u>Biological Sciences [BSCI] with lab or SCIENCE 101 [SCI]</u> ²	4	ENGLISH 101 [WRTG]	3	MUS 251 ⁴³	3	MUS 252 ⁴³	1	MUS Ensemble 428, <u>431-441</u> , 444 ²⁴	1	Physical Sciences [PSCI] with lab or SCIENCE 102 [SCI] ³	4	<i>Second Term</i>	<i>Hours</i>	Applied MUS (300 level) ¹	4	HISTORY 105 [ROOT]	3	Humanities [HUM]	3	MUS 164	1	MUS 181 ⁴⁵	0-1	MUS 253 ⁵⁶	3	MUS 254 ⁵⁶	1	MUS Ensemble 428, <u>431-441</u> , 444 ²⁴	1	<u>Quantitative Reasoning [QUAN]</u>	<u>3</u>	<i>First Term</i>	<i>Hours</i>	Applied MUS (300 level) ¹	4	Communication [COMM] or Written Communication [WRTG]	3	<u>Humanities [HUM]</u>	<u>3</u>	MUS 182 ⁴⁵	0-1	MUS 257 ⁶⁷	2	<p>8-15</p>
<i>First Term</i>	<i>Hours</i>																																																	
Applied MUS (300 level) ¹	4																																																	
<u>Biological Sciences [BSCI] with lab or SCIENCE 101 [SCI]</u> ²	4																																																	
ENGLISH 101 [WRTG]	3																																																	
MUS 251 ⁴³	3																																																	
MUS 252 ⁴³	1																																																	
MUS Ensemble 428, <u>431-441</u> , 444 ²⁴	1																																																	
Physical Sciences [PSCI] with lab or SCIENCE 102 [SCI] ³	4																																																	
<i>Second Term</i>	<i>Hours</i>																																																	
Applied MUS (300 level) ¹	4																																																	
HISTORY 105 [ROOT]	3																																																	
Humanities [HUM]	3																																																	
MUS 164	1																																																	
MUS 181 ⁴⁵	0-1																																																	
MUS 253 ⁵⁶	3																																																	
MUS 254 ⁵⁶	1																																																	
MUS Ensemble 428, <u>431-441</u> , 444 ²⁴	1																																																	
<u>Quantitative Reasoning [QUAN]</u>	<u>3</u>																																																	
<i>First Term</i>	<i>Hours</i>																																																	
Applied MUS (300 level) ¹	4																																																	
Communication [COMM] or Written Communication [WRTG]	3																																																	
<u>Humanities [HUM]</u>	<u>3</u>																																																	
MUS 182 ⁴⁵	0-1																																																	
MUS 257 ⁶⁷	2																																																	

MUS 351 ⁺²	3
MUS 352 ⁺²	1
MUS Ensemble 428, 431-441, 444 ²⁴	1
Social Sciences [SSCI]	3
<i>Second Term</i>	<i>Hours</i>
Applied MUS (300 level) ¹	4
MUS 281 ⁴⁵	0-1
MUS 353 ⁵⁶	3
MUS 354 ⁵⁶	1
MUS 359 [HUM] [M] ^{56,7}	3
MUS Ensemble 428-444 ²⁴	1
<u>Quantitative Reasoning [QUAN]</u>	3
<u>Piano Proficiency</u>	
Complete Writing Portfolio	
Third Year	
<i>First Term</i>	<i>Hours</i>
Applied MUS (300 or 400 level) ¹	4
Creative & Professional Arts [ARTS]	3
Jazz Ensemble - MUS 438, 439, 440 ²⁴	1
MUS 258 ⁺²	2
MUS 360 [M] ⁺²	3
MUS 457 ⁶⁷	2
<u>Junior Recital</u>	
<i>Second Term</i>	<i>Hours</i>
Applied MUS (300 or 400 level) ¹	4
Diversity [DIVR]	3
Jazz Ensemble - MUS 438, 439, 440 ²⁴	1
<u>MUS 319</u>	<u>2</u>
MUS 361 ⁵⁶	3
MUS 458 ⁸	2
Secondary Instrument or MUS 319	<u>2</u>
<u>Physical Sciences [PSCI] with lab or SCIENCE 102 [SCI]²</u>	<u>4</u>
<u>Upper Division Examination</u>	
Fourth Year	
<i>First Term</i>	<i>Hours</i>
Applied MUS (300 or 400 level) ¹	4
Biological Sciences [BSCI] with lab or SCIENCE 101 [SCI]³	4
<u>Diversity [DIVR]</u>	<u>3</u>
Jazz Ensemble - MUS 438, 439, 440 ²⁴	1

	<p>MUS 362 3 MUS 482^{1,2} 1 <u>Foreign Language, if needed</u> 0-4</p> <p>Second Term Hours</p> <p>Applied MUS (400-level)¹ 4 Integrative Capstone [CAPS] 3 Jazz Ensemble - MUS 438, 439, 440^{2,4} 1 <u>MUS 483</u> 1 MUS Electives 54 Foreign Language, if needed 0-4 <u>Senior Recital</u></p> <hr/> <p>Footnotes</p> <p>¹ 32 credits of Applied MUS courses are required. At least 4 credits of the Applied MUS courses must be at the 400-level. Applied Music Courses are: MUS 202, 205, 209, 213, 218, 220, 302, 305, 309, 313, 318, 320, 402, 405, 409, 413, 418, 420</p> <p>² 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.</p> <p>³ Fall only.</p> <p>⁴ Music Ensembles: a minimum of one credit per semester.</p> <p>⁵ Two lab sciences required to fulfill the College of Arts and Sciences Requirement.</p> <p>⁶ Class piano credits not required in degree.</p> <p>⁷ Spring only.</p> <p>⁸ Fall, alternate years only.</p> <p>⁹ MUS 359 fulfills the College of Arts and Sciences additional 3-unit requirement.</p> <p>¹⁰ Spring, alternate years only.</p>	
<p>Music Revise graduation requirements for Bachelor of Arts in Music for Music Performance – Voice Option</p>	<p>Music Performance - Voice Option (120 Hours) Requirements include: junior and senior qualifying exams; piano proficiency exam; 2.5 GPA or better average in all music courses; C or better in all music courses; junior and senior recitals.</p> <p>First Year</p> <p>First Term Hours</p> <p>Applied MUS 303 4 Biological Sciences [BSCI] with lab or SCIENCE 101 [SCI]¹ 4 ENGLISH 101 [WRTG] 3 MUS 181² 0 or 1 MUS 251³ 3 MUS 252³ 1 MUS Ensemble⁴ 4 <u>MUS 431 or 432</u> 1</p> <p>Second Term Hours</p> <p>Applied MUS 303 4</p>	<p>8-15</p>

HISTORY 105 [ROOT]	3
Humanities [HUM]	3
MUS 164	1
MUS 182 ²	0 or 1
MUS 253 ⁵⁴	3
MUS 254 ⁵⁴	1
MUS Ensemble⁴	4
<u>MUS 431 or 432</u>	<u>1</u>
<u>Quantitative Reasoning [QUAN]</u>	<u>3</u>
Second Year	
<i>First Term</i>	<i>Hours</i>
Applied MUS 303	4
Communication [COMM] or Written Communication [WRTG]	3
MUS 351 ³	3
MUS 352 ³	1
MUS 371 ⁶⁵	2
MUS Ensemble⁴	4
<u>MUS 431 or 432</u>	<u>1</u>
<i>Second Term</i>	<i>Hours</i>
Applied MUS 303	4
MUS 281 ²	0 or 1
MUS 353 ⁵⁴	3
MUS 354 ⁵⁴	1
MUS 359 [HUM] [M] ^{5,74}	3
MUS 372 ⁸⁶	2
MUS Ensemble⁴	4
<u>MUS 431 or 432</u>	<u>1</u>
Complete Writing Portfolio	
<u>Piano Proficiency</u>	
Third Year	
<i>First Term</i>	<i>Hours</i>
Applied MUS 303 or 403	4
<u>Diversity [DIVR]</u>	<u>3</u>
MUS 360 [M] ³	3
MUS 428	1
MUS 491 ³	2
MUS Ensemble⁴	4
<u>MUS 431 or 432</u>	<u>1</u>

Physical Sciences [PSCI] with lab or SCIENCE 102 [SCI] ¹	4
<i>Second Term</i>	
Applied MUS 303 or 403	4
Creative & Professional Arts [ARTS]	3
Diversity [DIVR]	3
MUS 361 ⁵⁴	3
MUS 428	1
MUS 483 ⁵⁴	1
MUS Ensemble ⁴	1
<u>MUS 431 or 432</u>	<u>1</u>
<u>Physical Sciences [PSCI] with lab or SCIENCE 102 [SCI]</u> ¹	<u>4</u>
<u>Junior Recital</u>	
Fourth Year	
<i>First Term</i>	
Applied MUS 303 or 403	4
Foreign Language or Electives	4
<u>Humanities [HUM]</u>	<u>3</u>
MUS 465 ⁶⁵	2
MUS Ensemble ⁴	1
<u>MUS 431 or 432</u>	<u>1</u>
<u>Quantitative Reasoning [QUAN]</u>	<u>3</u>
<u>Upper Division Examination</u>	
<i>Second Term</i>	
Applied MUS 403	4
Foreign Language or Electives	4
Integrative Capstone [CAPS]	3
MUS Ensemble ⁴	1
<u>MUS 431 or 432</u>	<u>1</u>
Social Sciences [SSCI]	3
<u>Senior Recital</u>	

Footnotes

¹ Two lab sciences required to fulfill the College of Arts and Sciences Requirement. 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.

² Class piano credits not required.

³ Fall only.

⁴ Chosen from MUS 431 or 432.

⁵⁴ Spring only.

⁶⁵ Fall, alternate years only.

	⁷ MUS 359 fulfills the College of Arts and Sciences additional 3-unit requirement. ^{*6} Spring, alternate years only.	
Nutrition and Exercise Physiology Revise graduation requirements for Bachelor of Science in Nutrition and Exercise Physiology	Bachelor of Science in Nutrition and Exercise Physiology (120 Hours) First Year <i>First Term</i> <i>Hours</i> CHEM 101 [PSCI] <u>or</u> 105 [PSCI] 4 <u>Creative & Professional Arts [ARTS]</u> <u>3</u> ENGLISH 101 [WRTG] 3 HISTORY 105 [ROOT] 3 MBIOS 101 [BSCI] 4 <i>Second Term</i> <i>Hours</i> BIOLOGY 102, <u>106, or 107</u> 4 CHEM 102 <u>or 106</u> 4 Creative & Professional Arts [ARTS] 3 <u>HISTORY 105 [ROOT]</u> <u>3</u> PSYCH 105 [SSCI] 3 <u>Elective</u> <u>1</u> Second Year <i>First Term</i> <i>Hours</i> BIOLOGY 251 4 Diversity [DIVR] 3 PHIL 103 [HUM] <u>or</u> 365 [HUM] 3 STAT 205 [QUAN] 3 <i>Second Term</i> <i>Hours</i> BIOLOGY 233 3 <u>BIOLOGY 333</u> <u>3</u> COM 102 [COMM] 3 KINES 262 <u>or</u> BIOLOGY 315 4 <u>PSYCH 105 [SSCI]</u> <u>3</u> Elective 1 Complete Writing Portfolio	8-15
Pharmacy Revise graduation requirements for Doctor of Pharmacy – Professional Curriculum	Professional Curriculum (130 <u>134</u> Hours) First Year <i>First Term</i> <i>Hours</i>	8-15

PHARDSCI 502	34
PHARDSCI 504	1
PHARDSCI 508	3
PHARDSCI 528	3
PHARMACY 507	1
PHARMACY 509	1
PHARMACY 516	2
<i>Second Term</i>	<i>Hours</i>
<u>PHARDSCI 510</u>	<u>2</u>
PHARDSCI 512	4
PHARDSCI 518	2
PHARDSCI 519	1
PHARMACY 501	1
PHARMACY 513	1
PHARMACY 514	4
PHARMACY 545	3
Elective ¹	2
Second Year	
<i>First Term</i>	<i>Hours</i>
PHARDSCI 532	4
<u>PHARMACY 530</u>	<u>2</u>
PHARMACY 531	1
PHARMACY 533	3
PHARMACY 534	4
PHARMACY 565	2
Elective ¹	2
<i>Second Term</i>	<i>Hours</i>
PHARDSCI 542	4
PHARMACY 541	1
PHARMACY 543	1
PHARMACY 544	4
PHARMACY 546	2
<u>PHARMACY 558</u>	<u>2</u>
PHARMACY 559	2
Elective ¹	2
Third Year	
<i>First Term</i>	<i>Hours</i>
PHARMACY 551	2
PHARMACY 553	3
PHARMACY 554	4

	<p><u>PHARMACY 555</u> 4</p> <p><u>PHARMACY 558</u> 2</p> <p>PHARMACY 567 3<u>2</u></p> <p><u>Elective</u>¹ 4</p> <p>Second Term <i>Hours</i></p> <p><u>PHARMACY 555</u> 4</p> <p>PHARMACY 557 4</p> <p>PHARMACY 561 2</p> <p>PHARMACY 563 2</p> <p>PHARMACY 564 3</p> <p>PHARMACY 566 3</p> <p><u>Elective</u>⁺ 4</p> <p>Fourth Year</p> <p>First Term <i>Hours</i></p> <p>Advanced Pharmacy Practice Experiences (APPE)² 15</p> <p>Second Term <i>Hours</i></p> <p>Advanced Pharmacy Practice Experiences (APPE)² 15</p> <hr/> <p>Footnotes</p> <p>¹ Elective Courses: 10 credits of electives involving a minimum of 4 courses are required throughout the first three years of the curriculum. Select from: PHARMACY 499, 576, 577, 578, 579, 580, 588, 590, 594, 595, 596, 598, 599 or any other College approved electives.</p> <p>² Advanced Pharmacy Practice Experiences (APPE) courses are: PHARMACY 581, 582, 583, 584, 585, 586, 587.</p>	
<p>Physics & Astronomy Revise graduation requirements for Bachelor of Science in Physics – Standard Option</p>	<p>Physics - Standard Option (12<u>10</u>Hours)</p> <p>The program of courses below is appropriate for students who have had a good experience with calculus in high school and wish to start physics in the first semester at WSU (even though the student may be placed in MATH 171, if their high school grades for the year course were B or better they can follow this schedule of study). Students who have placed in MATH 172 can accelerate the math sequence. Student who have not had calculus in high school should defer Physies <u>PHYSICS</u> 201 (or 205) until they have completed MATH 171. Upon consultation with the departmental advisor, modifications can be made in the list of required courses to fit the needs of individual students. The schedule of studies below includes the additional lab credit required for graduation by the College of Arts and Sciences.</p> <p>Certification Requirements A student may certify as a physies <u>Physics</u> major after completing 30 credits (preferably including PHYSICS 201 and MATH 171) with a cumulative gpa <u>GPA</u> of 2.0 or better.</p> <p>Graduation Requirements A research experience is required of all students as a <u>PHYSICS</u> 499 project; however, to gain valuable work experience outside the university, students are strongly encouraged to participate in an</p>	<p>8-15</p>

internship or research experience in industry or a government lab outside of WSU. The summer after the junior year is the most appropriate time for this experience. All students are required to submit an undergraduate thesis to a committee of two physics faculty members in the senior year. PHYSICS 490 will give credit for this effort. The student must earn a C (2.0) or better grade in each of the required physics courses.

First Year

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

<i>Second Term</i>	<i>Hours</i>
CHEM 106 or 116	4
HISTORY 105 [ROOT]	3
MATH 172	4
PHYSICS 201 or 205	4 or 5

Second Year

<i>First Term</i>	<i>Hours</i>
Biological Sciences [BSCI]	3
MATH 220	2
MATH 273	2
PHYSICS 202 or 206	4 or 5
PHYSICS 303	3
<u>Foreign Language, if needed</u>	<u>0-4</u>

<i>Second Term</i>	<i>Hours</i>
Creative & Professional Arts [ARTS]	3
Humanities [HUM]	3
MATH 315	3
PHYSICS 304	3
PHYSICS 330	3
<u>Foreign Language, if needed</u>	<u>0-4</u>
Complete Writing Portfolio	

Third Year

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

	<p><u>Humanities [HUM]</u> 3</p> <p>MATH Elective¹ 3</p> <p>PHYSICS 320 3</p> <p>PHYSICS 341 3</p> <p>Second Term Hours</p> <p>ENGLISH 402 [WRTG] [M] 3</p> <p>MATH Elective¹ 3</p> <p>PHYSICS 342 3</p> <p>PHYSICS 415 [M] 3</p> <p>PHYSICS 499 1</p> <p>Standard Option Elective² 3</p> <p>Fourth Year</p> <p>First Term Hours</p> <p>Creative & Professional Arts [ARTS], Humanities [HUM], or Social Sciences [SSCI] 3</p> <p>PHYSICS 410 3</p> <p>PHYSICS 450 3</p> <p>PHYSICS 490 [M] 1</p> <p>Standard Option Elective² 3</p> <p>Technical Elective³ 3</p> <p>Second Term Hours</p> <p>Integrative Capstone [CAPS] 3</p> <p>Standard Option Elective² 9</p> <p>Technical Elective³ 4</p> <hr/> <p>Footnotes</p> <p>¹ 6 hours of math electives must be chosen from <u>300-400-level MATH 3XX or MATH 4XX courses.</u></p> <p>² 15 hours of standard option electives must be chosen from <u>300-400-level ASTRONOM and PHYSICS 3XX or 4XX or ASTRONOM 3XX or 4XX courses not used to fulfill other requirements.</u></p> <p>³ 12 <u>7</u> hours of technical electives must include at least 6 hours from the upper division, and must be chosen from ASTRONOM, CHEM, MATH, or <u>and PHYSICS courses not used to fulfill other requirements. At least 4 credits must be 300-400-level.</u></p>	
<p>Physics & Astronomy Revise graduation requirements for Bachelor of Science in Physics – Astrophysics Option</p>	<p>Physics - Astrophysics Option (121 Hours)</p> <p>The program of courses below is appropriate for students who have had a good experience with calculus in high school and wish to start physics in the first semester at WSU (even though the student may be placed in MATH 171, if their high school grades for the year course were B or better they can follow this schedule of study). Students who have placed in MATH 172 can accelerate the math sequence. Student who have not had calculus in high school should defer Physics PHYSICS 201 (or 205) until they have completed MATH 171. Upon</p>	<p>8-15</p>

consultation with the departmental advisor, modifications can be made in the list of required courses to fit the needs of individual students. The schedule of studies below includes the additional lab credit required for graduation by the College of Arts and Sciences.

Certification Requirements

A student may certify as a ~~physies~~ Physics major after completing 30 credits (preferably including PHYSICS 201 and MATH 171) with a cumulative ~~gpa~~ GPA of 2.0 or better.

Graduation Requirements

A research experience is required of all students as a PHYSICS 499 project; however, to gain valuable work experience outside the university, students are strongly encouraged to participate in an internship or research experience in industry or a government lab outside of WSU. The summer after the junior year is the most appropriate time for this experience. All students are required to submit an undergraduate thesis to a committee of two physics faculty members in the senior year. PHYSICS 490 will give credit for this effort. The student must earn a C (2.0) or better grade in each of the required physics courses.

First Year

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

<i>Second Term</i>	<i>Hours</i>
CHEM 106 or 116	4
HISTORY 105 [ROOT]	3
MATH 172	4
PHYSICS 201 or 205	4 5

Second Year

<i>First Term</i>	<i>Hours</i>
Biological Sciences [BSCI]	3
MATH 220	2
MATH 273	2
PHYSICS 202 or 206	4 5
PHYSICS 303	3
<u>Foreign Language, if needed</u>	<u>0-4</u>

<i>Second Term</i>	<i>Hours</i>
ASTRONOM 390	1
Creative and Professional Arts [ARTS]	3

Humanities [HUM]	3
MATH 315	3
PHYSICS 304	3
PHYSICS 330	3
<u>Foreign Language, if needed</u>	<u>0-4</u>
Complete Writing Portfolio	

Third Year

<i>First Term</i>	<i>Hours</i>
ASTRONOM 345	3
CPT S 121, E E 221, or MATH 300 [M]	2-4
<u>Humanities [HUM]</u>	<u>3</u>
MATH Elective ¹	3
PHYSICS 320	3
PHYSICS 341	3

<i>Second Term</i>	<i>Hours</i>
ASTRONOM 435 or 436	3
ENGLISH 402 [WRTG] [M]	3
MATH Elective ¹	3
PHYSICS 342	3
PHYSICS 415 [M]	3
PHYSICS 499	1

Fourth Year

<i>First Term</i>	<i>Hours</i>
Creative & Professional Arts [ARTS], Humanities [HUM], or Social Sciences [SSCI]	3
PHYSICS 410	3
PHYSICS 450	3
PHYSICS 490 [M]	1
Technical e Elective ²	6

<i>Second Term</i>	<i>Hours</i>
ASTRONOM 435 or 436	3
Diversity [DIVR]	3
Integrative Capstone [CAPS]	3
Technical Elective ²	6

Footnotes

¹ 6 hours of math electives must be chosen from 300-400-level MATH 3XX or MATH 4XX courses.

² 12 hours of technical electives ~~must include at least 6 hours from the upper division, and must be~~ chosen from ASTRONOM, CHEM, MATH, ~~or~~ and PHYSICS courses not used to fulfill other requirements. At least 6 hours must be 300-400-level.

<p>Physics & Astronomy Revise requirements Minor in Astronomy</p>	<p>Astronomy</p> <p>An Astronomy minor requires The program in astronomy offers a 19-hour minor in astronomy consisting of ASTRONOM 345, 435, 436; at least two hours from of ASTRONOM 390, 490, or 499, PHYSICS 490, and 499; and at least 3 hours from GEOLOGY 103, ASTRONOM 135, <u>GEOLOGY 103</u>, or HISTORY 381. The minor also requires MATH 273 and PHYSICS 303. These courses have as prerequisites MATH 220, 171, 172, <u>220</u>, and PHYSICS 201, 202. These prerequisites are often required as part of physical science major programs (Chemistry, Computer Science, Engineering, Geology, and Physics) so that students in these fields will find the astronomy minor more accessible than students in other fields. Credit hours for the minor must include 9 hours of upper-division work taken in residence at WSU or through WSU-approved education abroad or educational exchange courses.</p>	<p>8-15</p>												
<p>Physics & Astronomy Revise requirements Minor in Physics</p>	<p>Physics</p> <p>A physics <u>Physics</u> minor requires PHYSICS 201, 202, 303, and 304 plus any two courses (6 credits) from the following list: PHYSICS 320, 330, 341, 342, 410, 412, 415 <u>[M]</u>, 443, 450, 461, 463, and <u>465</u>. This makes a total of 20 credits in PHYSICS of which 12 are upper division. Credit hours must include 9 hours of upper-division work taken in residence at WSU or through WSU-approved education abroad or educational exchange courses. Students from outside the College of Arts and Sciences (i.e., College of Engineering) do not have to meet the extra graduation requirements of the College of Arts and Sciences.</p>	<p>8-15</p>												
<p>Politics, Philosophy, and Public Affairs Revise graduation requirements for Bachelor of Arts in Political Science – Pre-law Option</p>	<p>Political Science - Pre-Law Option (120 Hours)</p> <p>First Year</p> <table data-bbox="406 1617 1315 1879"> <thead> <tr> <th><i>First Term</i></th> <th><i>Hours</i></th> </tr> </thead> <tbody> <tr> <td>Biological Sciences [BSCI] with lab or SCIENCE 101 [SCI]¹</td> <td>4</td> </tr> <tr> <td>HISTORY 105 [ROOT]</td> <td>3</td> </tr> <tr> <td>Humanities [HUM]</td> <td>3</td> </tr> <tr> <td>POL S 101 [SSCI]</td> <td>3</td> </tr> <tr> <td>Quantitative Reasoning [QUAN]</td> <td>3</td> </tr> </tbody> </table> <p>Second Term <i>Hours</i></p>	<i>First Term</i>	<i>Hours</i>	Biological Sciences [BSCI] with lab or SCIENCE 101 [SCI] ¹	4	HISTORY 105 [ROOT]	3	Humanities [HUM]	3	POL S 101 [SSCI]	3	Quantitative Reasoning [QUAN]	3	<p>8-15</p>
<i>First Term</i>	<i>Hours</i>													
Biological Sciences [BSCI] with lab or SCIENCE 101 [SCI] ¹	4													
HISTORY 105 [ROOT]	3													
Humanities [HUM]	3													
POL S 101 [SSCI]	3													
Quantitative Reasoning [QUAN]	3													

ECONS 101 [SSCI] or ECONS 102 [SSCI]	3
ENGLISH 101 [WRTG]	3
Physical Sciences [PSCI] with lab or SCIENCE 102 [SCI] ¹	4
POL S 102	3
Electives	3
Second Year	
<i>First Term</i>	<i>Hours</i>
Creative & Professional Arts [ARTS]	3
CRM J 101 (recommended) or Elective	3
PHIL 201	3
POL S 103	3
Electives	3
<i>Second Term</i>	<i>Hours</i>
ENGLISH 201 [WRTG]; or ENGLISH 301 [WRTG]	3
H D 205 [COMM] or COM 102 [COMM]	3-4
POL S 201	3
POL S 300	3
Electives	3
Complete Writing Portfolio	
Third Year	
<i>First Term</i>	<i>Hours</i>
300-400-level POL S Elective ¹²	3
CRM J 320 or 420 [M]	3
POL S 402	3
<u>Foreign Language and/or Electives</u>	5
<i>Second Term</i>	<i>Hours</i>
300-400-level POL S Elective ¹²	3
POL S 404 [M]	3
<u>Foreign Language and/or Electives</u>	9
Fourth Year	
<i>First Term</i>	<i>Hours</i>
300-400-level POL S Elective ¹²	3
Diversity [DIVR]	3
POL S 443	3
300-400-level Electives	6
<i>Second Term</i>	<i>Hours</i>
Integrative Capstone [CAPS]	3

	<p>PHIL 470 3</p> <p>300-400-level Electives 8</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 POL S electives may need to must include an additional [M] courses to fulfill university requirements, sufficient to provide student with two, if these have not been taken to fulfill other requirements in the major.</p>	
<p>Politics, Philosophy, and Public Affairs</p> <p>Revise graduation requirements for Bachelor of Arts in Political Science – Global Politics Option</p>	<p>Political Science - Global Politics Option (120 Hours)</p> <p>First Year</p> <p><i>First Term</i> <i>Hours</i></p> <p>Biological Sciences [BSCI] with lab or SCIENCE 101 [SCI]¹ 4</p> <p>HISTORY 105 [ROOT] 3</p> <p>Humanities [HUM] 3</p> <p>POL S 101 [SSCI] 3</p> <p>Quantitative Reasoning [QUAN] 3 or 4</p> <p><i>Second Term</i> <i>Hours</i></p> <p>Diversity [DIVR] 3</p> <p>ENGLISH 101 [WRTG] 3</p> <p>Physical Sciences [PSCI] with lab or SCIENCE 102 [SCI]¹ 4</p> <p>POL S 102 3</p> <p>Electives 3</p> <p>Second Year</p> <p><i>First Term</i> <i>Hours</i></p> <p>Communication [COMM] or Written Communication [WRTG] 3</p> <p>Creative & Professional Arts [ARTS] 3</p> <p>POL S 103 3</p> <p>Electives 4</p> <p><i>Second Term</i> <i>Hours</i></p> <p>Creative & Professional Arts [ARTS], Humanities [HUM], or Social Sciences [SSCI] 3</p> <p>Minor Field Elective 3</p> <p>POL S 201 3</p> <p>POL S Elective⁺² 3</p> <p>Electives 3</p> <p>Complete Writing Portfolio</p>	<p>8-15</p>

	<p>Third Year</p> <p><i>First Term</i> <i>Hours</i></p> <p>300-400-level POL S Electives⁺² 6</p> <p>Minor Field Elective or Foreign Language, if applicable 3 or 4</p> <p>POL S global courses⁻²³ 6</p> <p><i>Second Term</i> <i>Hours</i></p> <p>300-400-level POL S Electives 6</p> <p>Minor Field Elective or Foreign Language, if applicable 3 or 4</p> <p>Electives 6</p> <p>Fourth Year</p> <p><i>First Term</i> <i>Hours</i></p> <p>Integrative Capstone [CAPS] 3</p> <p>Minor Field Elective, if applicable, or Elective 3</p> <p>POL S 427 3</p> <p>300-400-level Electives 6</p> <p><i>Second Term</i> <i>Hours</i></p> <p>International Experience³⁴ 3</p> <p>300-400-level Electives, including Minor Field, if applicable 12</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 POL S electives may need to must include [M] courses sufficient to provide student with two, if these have not been taken to fulfill other university requirements in the major.</p> <p>²³ Choose from POL S 305, 314, 405 [M], 418, 424 [M], 428, 429, 432 [M], 435, 447 [M], 472 [M], 474, 475, or 476 [M].</p> <p>³⁴ International Experience: earn at least 3 credit hours while completing one of the following: a) Study abroad (POL S 276 or 277 at a WSU-approved program); b) International internship (POL S 497 approved by POL S advisor; either abroad or in U.S.-based internship that includes global activities); c) Minor in foreign languages or Global Studies; or d) Military Science (MIL SCI 402 while enrolled in ROTC).</p>	
<p>Politics, Philosophy, and Public Affairs Revise graduation requirements for Bachelor of Arts in Philosophy – General Option</p>	<p>Philosophy - General Option (120 Hours)</p> <p>First Year</p> <p><i>First Term</i> <i>Hours</i></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>PHIL 101 [HUM] or 103 [HUM] 3</p> <p>Electives 6</p>	<p>8-15</p>

<i>Second Term</i>	<i>Hours</i>
Communication [COMM] or Written Communication [WRTG]	3
Creative & Professional Arts [ARTS]	3
<u>ENGLISH 101 [WRTG]</u>	<u>3</u>
PHIL 201 [QUAN]	3
Social Sciences [SSCI]	3
Electives	3
Second Year	
<i>First Term</i>	<i>Hours</i>
Biological Sciences [BSCI] with lab or SCIENCE 101 [SCI] ¹	4
Creative & Professional Arts [ARTS], Humanities [HUM], or Social Sciences [SSCI]	3
Foreign Language, if necessary, or Elective	4
PHIL 207, 280, 314 [M], 315 [M], or 407 ⁺²	3
Electives	2
<i>Second Term</i>	<i>Hours</i>
Foreign Language, if necessary, or Elective	4
PHIL 200 or 401	3
Physical Sciences [PSCI] with lab or SCIENCE 102 [SCI] ¹	4
Electives	3
Complete Writing Portfolio	
Third Year	
<i>First Term</i>	<i>Hours</i>
Diversity [DIVR]	3
PHIL 320, 321, 322 or 421 (<u>Select two – must include 320 and /or 321</u>)	6
PHIL 360, 365, 370, 460 [M], or 462 [M] ⁺²	3
Electives	3
<i>Second Term</i>	<i>Hours</i>
Integrative Capstone [CAPS]	3
PHIL 350, 442 [M] or 443, 446, or 447 (<u>select two</u>) ⁺²	6
Electives	6
Fourth Year	
<i>First Term</i>	<i>Hours</i>
PHIL 420, 425, 470, or 472 [M] ⁺²	3
<u>300-400-level PHIL Electives</u> ⁺²	3
Electives	<u>96</u>

	<p><u>300-400-level Electives</u> <u>3</u></p> <p><i>Second Term</i> <i>Hours</i></p> <p><u>300-400-level PHIL Electives</u>^{1,2} 3</p> <p>300-400-level Electives 12</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 PHIL electives may need to must include [M] courses sufficient to provide student with two, if these have not been taken in fulfilling other university requirements in the major.</p>	
<p>Politics, Philosophy, and Public Affairs Revise requirements minor in Ethics</p>	<p>Ethics</p> <p>The minor in ethics consists of 18 credit hours, of which at least 15 must be from ethics courses within the department of philosophy, such as PHIL 260, 360, 365, 370, 460 <u>[M]</u>, 462, 470, and 472 <u>[M]</u>. Three credit hours may, with approval of the department of philosophy, be from an ethics course in the student’s major or in another department. Nine of the 18 hours must, in accordance with university policies, be in upper-division course work taken in residence at WSU or through WSU-approved education abroad or educational exchange courses.</p>	<p>8-15</p>
<p>Politics, Philosophy, and Public Affairs Revise requirements minor in Political Science.</p>	<p>Political Science</p> <p>18 semester hours of political science coursework is required for the minor, half of which must <u>include 9 credits in</u> be in 300-400-level courses. The courses may not be taken pass, fail. Students must successfully complete POL S 101, 102, and 103. At least 12 semester hours of political science must be earned at Washington State University. Three hours of POL S 497 or 499 may be applied to the minor. A minimum gpa<u>GPA</u> of 2.0 in the political science courses is required.</p>	<p>8-15</p>
<p>Sociology Revise graduation requirements for Bachelor of Arts in Sociology</p>	<p>Sociology (120 Hours)</p> <p>First Year</p> <p><i>First Term</i> <i>Hours</i></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>Quantitative Reasoning [QUAN] 3</p>	<p>8-15</p>

SOC 101 [SSCI]	3
Electives <u>or Foreign Language</u>	4
<i>Second Term</i>	<i>Hours</i>
Communication [COMM] or Written Communication [WRTG]	3
Creative & Professional Arts [ARTS]	3
<u>HISTORY 105 [ROOT]</u>	<u>3</u>
Humanities [HUM]	3
Electives <u>and/or Foreign Language</u>	<u>65</u>
Second Year	
<i>First Term</i>	<i>Hours</i>
Biological Sciences [BSCI] or SCIENCE 101 [SCI] ¹	4
Creative & Professional Arts [ARTS], Humanities [HUM], or Social Sciences [SSCI]	3
Diversity [DIVR]	3
Electives	6
<i>Second Term</i>	<i>Hours</i>
Physical Sciences [PSCI] or SCIENCE 102 [SCI] ¹	4
SOC Elective	3
Electives	9
Complete Writing Portfolio	
Third Year	
<i>First Term</i>	<i>Hours</i>
Related Field Electives ²	6
SOC 310	3
SOC 317 [M]	3
<u>300-400-level</u> SOC Elective	3
<i>Second Term</i>	<i>Hours</i>
Related Field Electives ²	6
SOC 321 or CRMJ 321	3 or 4
<u>300-400-level</u> SOC Elective	3
Fourth Year	
<i>First Term</i>	<i>Hours</i>
<u>300-400-level</u> Related Field Electives ²	9
<u>300-400-level</u> SOC Electives	3
Electives	3
<i>Second Term</i>	<i>Hours</i>

	<p><u>300-400-level</u> Related Field Electives² 9</p> <p>SOC 495 [CAPS] [M] or 496 [CAPS] [M]¹ 3</p> <p><u>300-400-level</u> Electives 3</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>Approved Related Field Electives include: COM 101, 410, 440, 464, 470; COMSOC 230, 321, 421; COMSTRAT 312, 380; CPT S 401; ENVR SCI 101; I BUS 380; MGMT 301; MIL SCI 201, 202, 301, 302, 401, 402; MKTG 360; NATRS 312; and any AMER ST, ANTH, ASIA, CES, CRM J, ECON, H D, HISTORY, HONORS, PHIL, POL S, PSYCH, and WOMEN ST courses.</u></p>																															
<p>Teaching and Learning Revise graduation requirements for Bachelor of Arts in Education – Elementary Education Teacher Certificate</p>	<p>Elementary Education Teacher Certificate (121 <u>128</u> Hours)</p> <p>Candidates for the undergraduate elementary education teacher certificate program will satisfy degree requirements of the Department of Teaching and Learning. The degree will be the Bachelor of Arts. The student should include the following course work within UCORE selections to satisfy prerequisite, degree, and admission to teacher preparation requirements. This course schedule does not include an add-on endorsement.</p> <p>During the freshman year, students must qualify to enroll in MATH 251, pass the Music 388 competency exam or take MUS 153, and begin the University Writing Portfolio, as students must receive a pass before taking TCH LRN 306.</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>BIOLOGY 106 [BSCI] or SCIENCE 101 [SCI]¹</td> <td>4</td> </tr> <tr> <td>Communication [COMM] or Written Communication [WRTG]</td> <td>3</td> </tr> <tr> <td>ENGLISH 101 [WRTG]</td> <td>3</td> </tr> <tr> <td>H D 101 [SSCI]</td> <td>3</td> </tr> <tr> <td>MATH <u>251</u> prereq, if necessary, or Elective</td> <td>3</td> </tr> <tr> <td><u>MUS 153 [ARTS] or Creative & Professional Arts [ARTS]</u></td> <td><u>3</u></td> </tr> <tr> <td><u>SCIENCE 101 [SCI]</u></td> <td><u>4</u></td> </tr> <tr> <th><i>Second Term</i></th> <th><i>Hours</i></th> </tr> <tr> <td>HISTORY 105 [ROOT]</td> <td>3</td> </tr> <tr> <td><u>HISTORY 110 [HUM] or 111 [HUM]</u></td> <td><u>3</u></td> </tr> <tr> <td>MATH <u>254</u>2 [QUAN]</td> <td>3</td> </tr> <tr> <td>MUS 153 [ARTS]</td> <td>3</td> </tr> <tr> <td><u>SCIENCE 102 [SCI]</u></td> <td><u>4</u></td> </tr> <tr> <td>Social Science Elective</td> <td>3</td> </tr> </tbody> </table>	<i>First Term</i>	<i>Hours</i>	BIOLOGY 106 [BSCI] or SCIENCE 101 [SCI] ¹	4	Communication [COMM] or Written Communication [WRTG]	3	ENGLISH 101 [WRTG]	3	H D 101 [SSCI]	3	MATH <u>251</u> prereq, if necessary, or Elective	3	<u>MUS 153 [ARTS] or Creative & Professional Arts [ARTS]</u>	<u>3</u>	<u>SCIENCE 101 [SCI]</u>	<u>4</u>	<i>Second Term</i>	<i>Hours</i>	HISTORY 105 [ROOT]	3	<u>HISTORY 110 [HUM] or 111 [HUM]</u>	<u>3</u>	MATH <u>254</u> 2 [QUAN]	3	MUS 153 [ARTS]	3	<u>SCIENCE 102 [SCI]</u>	<u>4</u>	Social Science Elective	3	<p>8-15</p>
<i>First Term</i>	<i>Hours</i>																															
BIOLOGY 106 [BSCI] or SCIENCE 101 [SCI] ¹	4																															
Communication [COMM] or Written Communication [WRTG]	3																															
ENGLISH 101 [WRTG]	3																															
H D 101 [SSCI]	3																															
MATH <u>251</u> prereq, if necessary, or Elective	3																															
<u>MUS 153 [ARTS] or Creative & Professional Arts [ARTS]</u>	<u>3</u>																															
<u>SCIENCE 101 [SCI]</u>	<u>4</u>																															
<i>Second Term</i>	<i>Hours</i>																															
HISTORY 105 [ROOT]	3																															
<u>HISTORY 110 [HUM] or 111 [HUM]</u>	<u>3</u>																															
MATH <u>254</u> 2 [QUAN]	3																															
MUS 153 [ARTS]	3																															
<u>SCIENCE 102 [SCI]</u>	<u>4</u>																															
Social Science Elective	3																															

Electives	3
<u>Endorsement Course</u> ¹	3
Second Year	
<i>First Term</i>	<i>Hours</i>
ENGLISH 201 [WRTG]	3
GEOLOGY 101 [PSCI] or SCIENCE 102 [SCI] ¹	4
Humanities [HUM]	3
<u>POL S 101 [SSCI] or ECONS 102 [SSCI]</u>	<u>3</u>
TCH LRN 301	3
Electives	3
<u>Endorsement Course</u> ¹	3
Complete WEST-B (if minimum required scores on SAT or ACT are not met)	
<i>Second Term</i>	<i>Hours</i>
<u>BIOLOGY 102 or 106</u>	<u>4</u>
Diversity [DIVR]	3
<u>HISTORY 120 [DIVR]</u>	<u>3</u>
Integrative Capstone [CAPS]	3
<u>MATH 252 [QUAN]</u>	3
Science Elective	3 or 4
<u>TCH LRN 307</u>	<u>3</u>
<u>Endorsement Courses</u> ¹	<u>6</u>
Certify in Major	
Complete Writing Portfolio	
Third Year	
<i>First Term</i>	<i>Hours</i>
ED PSYCH 401	3
TCH LRN 307	2
TCH LRN <u>320 or 321</u>	3
<u>TCH LRN 352</u>	<u>3</u>
TCH LRN 402	1
TCH LRN 445	2
TCH LRN 483 ²	3
<i>Second Term</i>	<i>Hours</i>
TCH LRN 304	3
<u>TCH LRN 306 [M] or 322 [M]</u>	<u>3</u>
TCH LRN 310 [M]	2
TCH LRN 322	3
TCH LRN 371	3

	<p>TCH LRN 390 3 TCH LRN 405 1 <u>Endorsement Course</u>¹ 3</p> <p>Fourth Year</p> <p><i>First Term</i> <i>Hours</i></p> <p>SPEC ED 420/424 2 or 3</p> <p>TCH LRN 330 3</p> <p>TCH LRN 352 3</p> <p>TCH LRN 385 3</p> <p>TCH LRN 413 23</p> <p>TCH LRN 490 [CAPS] 23</p> <p>Electives 3</p> <p><u>Endorsement Course</u>¹ 3</p> <p><i>Second Term</i> <i>Hours</i></p> <p>TCH LRN 415 16</p> <hr/> <p>Footnotes</p> <p>¹ If both SCIENCE 101 and 102 are taken, students satisfy the biological and physical sciences and laboratory requirement. Students seeking a BA in Elementary Education must complete at least 20 credit hours in an endorsable area. See specific subject area requirements.</p> <p>² TCH LRN 483 must be complete prior to the Fourth Year.</p>	
<p>Teaching and Learning Revise graduation requirements for Bachelor of Arts in Education – Specific Subject Teacher Certificate; <u>Remove Schedule of Studies plan and footnotes</u>; Retain and revise Specific Subject Area Requirements and Add-On Endorsements.</p>	<p>Specific Subject Teacher Certificate (141 Hours)</p> <p>Candidates for specific subject certificates shall declare a major with the subject-matter department and meet the UCORE and degree requirements of that department. Students completing subject-specific endorsements will follow the Secondary Professional Education Core: PSYCH 105; ED PSYCH 468, TCH LRN 301, 317, 464, 465, 466, 467, 469, 470 and 415 unless admitted to the MIT program.</p> <p>In addition to meeting requirements of the degree-granting department, the student must meet admission requirements and make formal application to the teacher preparation <u>education</u> program prior to enrolling in any professional education courses beyond TCH LRN 301 and 317. It is recommended that candidates begin professional education courses in the sophomore or junior year to meet sequencing requirements. Students should include the following courses within UCORE selections to fulfill prerequisite and admission to teacher preparation program requirements: ENGLISH 101 and one of the following: ENGLISH 201, 301, 302, or 402; PSYCH 105. <u>All courses taken for teacher certification must be completed with a C (2.0) or better.</u></p>	<p>8-15</p>

Schedules of Studies for specific subjects teaching plans can be found in the subject area.

First Year

<i>First Term</i>	<i>Hours</i>
ENGLISH 101 [WRTG]	3
HISTORY 105 [ROOT]	3
PSYCH 105 [SSCI]	3
Quantitative Reasoning [QUAN]	3
Science Elective	3 or 4

<i>Second Term</i>	<i>Hours</i>
Biological Sciences [BSCI] or SCIENCE 101 [SCI] ¹	4 or 3
COM 102 [COMM]	3
Creative & Professional Arts [ARTS]	3
Endorsement ²	3
Humanities [HUM]	3

Second Year

<i>First Term</i>	<i>Hours</i>
Endorsement ²	6
ENGLISH 201, 301, or 302	3
Physical Sciences [PSCI] or SCIENCE 102 [SCI] ¹	3 or 4
Certify in Major	

<i>Second Term</i>	<i>Hours</i>
Diversity [DIVR]	3
Endorsement ²	12
Complete Writing Portfolio	

Third Year

<i>First Term</i>	<i>Hours</i>
Endorsement ²	14-15
TCH LRN 301	3
Certify In Teaching and Learning	
Complete West-B	

<i>Second Term</i>	<i>Hours</i>
Endorsement ²	14-16

<i>Third Term</i>	<i>Hours</i>
TCH LRN 317 (available summer only)	2

Fourth Year

<i>First Term</i>	<i>Hours</i>
Endorsement ²	9
TCH LRN 464	3
TCH LRN 465	3
TCH LRN 466	2

<i>Second Term</i>	<i>Hours</i>
ED PSYCH 468	3
Endorsement ²	3
Integrative Capstone [CAPS]	3
TCH LRN 467	3
TCH LRN 469	2
TCH LRN 470	3

Fifth Year

<i>First Term</i>	<i>Hours</i>
TCH LRN 415	16

Footnotes

⁺ Students may substitute 3 credits of Biological Sciences [BSCI] and 4 credits of Physical Sciences [PSCI].

² Credit hours needed for the endorsement are from 20-74, depending on the major.

SPECIFIC SUBJECT AREA REQUIREMENTS

Agricultural Education (~~51 hours~~): AFS 101, 201, ~~301~~, 401; ANIM SCI 101, CROP SCI 360; ECONS 350 or 352; AG ED ~~342~~, 407, 440, ~~442~~ 450, 471; AGTM 201, 402; CROP SCI/HORT 102; SOIL SCI 201, plus 9 additional credits, ~~6~~ 300-400-level credits upper division in ~~technical~~ agriculture system-based electives selected with adviser approval. 3 credits AFS core system elective. ~~18 credits in technical agriculture must be upper division~~. A valid first aid card is required for Career and Technical certification.

Biology (~~71-74 hours~~): BIOLOGY 106, 107, 301, 372, 405, 430, 499; CHEM 105, 106, 345; MBIOS 303, 305, 306; MATH 140 or 171; PHYSICS 101, ~~or 201~~; PHYSICS 102 or 202; STAT 212, 412, or PSYCH 311; one from HISTORY 381, 382, SOC 430 or HONORS 390; 9 credits hours approved biological sciences electives.

Chemistry (~~62-64 hours~~): BIOLOGY 106, 107; CHEM 105 ~~or 115~~, 106 or 116, 220, 222, 345, 348; one from HISTORY 381, 382, 483, SOC 430, or HONORS 390; MATH 140 or 171; MBIOS 303, 304; ~~PH S 430~~; PHYSICS 101 or 201, 102 or 202; SCIENCE 430; STAT 212, 412 or PSYCH 311. Additional 7 credits hours 300-400-level CHEM including CHEM 331 or MBIOS 465 and at least 4 credits hours from CHEM 333, 335, 347, 398, 425, 426, 495 or 499.

Designated World Languages French (~~40 hours~~): FRENCH 204, 306, 307, 308, or 408; two from FRENCH 120, 320, 420; one from FRENCH 310, 350, 361; FOR LANG 440, 441; approved internship in French or study abroad in Francophone country at the advanced level.

Designated World Languages Spanish (~~40 hours~~): SPANISH 204,

306, 307, 308, 407, 408; one from FOR LANG 101, 110, 120, 130, 220; two from SPANISH 310, 311, 320, 321, 350, 351, 361; two from SPANISH 450, 451, 452, 453; FOR LANG 440, 441.

Early Childhood Education (108 hours): COM 102 or H D 205; ENGLISH 198, 201, 301, or 302; three 3-4 credit UCORE sciences; H D 201, 202, or 101; 204, 302, 341, 342, 410, 446, 449, 482; SPEC ED 409; HISTORY 150 or AMER ST 216; MATH 251, 252; MUS 388; TCH LRN 301, 307, 321, 322, 352, 371, 385, 390, 402, 403, 405, 413, 415, 445, 483.

Earth and Space Science (67-70 hours): GEOLOGY 101 or 102 (102 preferred), 206, 210, 315, 340, 350, 499; MATH 140 or 171; PHYSICS 101, 102; CHEM 105, 106; BIOLOGY 106; ASTRONOM 345; ENVR SCI 174; one from HISTORY 381, 382, 483, SOC 430 or HONORS 410; PH S-SCIENCE 430; one from STAT 212, 412, or PSYCH 311; 6 credits hours 300-400-level (geology elective, geomorphology or oceanography recommended).

English Language Arts (42 hours): ENGLISH 301 or 302; one from HUM 101, 103, 198, 302, 303, 304, 335, 350, 410 or 450; three from ENGLISH 370, 371, 372, 373; one from ENGLISH 205, 305, 306; ENGLISH 326, 325, 324, 323; 12 hours English or Humanities electives (3 hours must include an advisor approved writer of color class); ENGLISH 368, 371, 372, 470, 472, 480, 481, 482; one from ENGLISH 332 (with advisor approval), 338 (with advisor approval), 366, 370, 373, 419, 483, 484, 485, 486, 487, 488, 489; HUMANITY 303, 304, 335, 338, 350, 410, 450; ENGLISH 305 or 306; one from ENGLISH 309, 311 314, 315, 317, 321, 322, 332 (with advisor approval), 338 (with advisor approval), 341, 345, 409; ENGLISH 323, 324, 325, 326; nine credits of ENGLISH or HUMANITY electives, with 3 credits of 100-200-level electives allowed except for transfer students who will be allowed 9 of 100-200-level electives.

Family and Consumer Sciences (58-59 hours): AG ED 440; two from AMDT 210, 211, 417; BIOLOGY 140; HBM 258, MBIOS 130; H D 201, 202, 203, 204, 302, 310, 320, 350, 406, 407, 410, 479, 480.

Health and Fitness (67 hours): KINES 266, 311; BIOLOGY one from 102, 106, 107; BIOLOGY 140, 251; CHEM 101 or 105; MBIOS 130; KINES 199, 262, 264, 266, 311, 312, 361, 380, 393, 461, 462, 481, 483, 484, 393, 481, 483; KINES 199, 262, 264, 362, 380, 415, 461, 481; PE ACT 112, 114, 132, 120/121, individual team PE ACT; PSYCH 230.

History (48 hours): ECONS 102; POL S 101; HISTORY 101, 102, 110, 111, 120, 300, 422, 469, 480; two from HISTORY 230 or 231, 270 or 271, 272 or 273, 274, 275; one from HISTORY 411, 413, 414, 415, 416; one from HISTORY 412, 417, 418, 419; 6 credits hours 300-400 level HISTORY electives which must include one European and one global non-western course.

Mathematics (44 hours): MATH 171, 172, 216, 220, 273, 300, 301, 303, 330, 360, 398, 403, 431, 432, 320 or 421; PHYSICS 201.

Music: Each endorsement requires the passing of a piano proficiency examination, an upper-division exam, a solo half-recital, a 2.5 gpa GPA and a grade of C or better in all music courses. If the requirements listed below along with the graduation requirements of the College of

Arts and Sciences are met, the degree will be Bachelor of Music.

Broad (~~73 hours~~): MUS 164, 251, 252, 253, 254, 351, 352, 353, 354, 359, 360, 361, 455, ~~467~~, 480, ~~481~~, 482, 483, 487, 488, 489, 490, 491, 493, 494, 497. Performance Studies: 14 credits hours of which 2 credits hours must be at the 400-level. Include a minimum of 2 credits in choral and 2 credits in performing groups. Performance Groups: 7 credits hours, minimum of 1 credit hour during each of seven semesters, to include at least one semester of MUS 435 for instrumentalists and MUS 428 for vocalists. ~~Include a minimum of 2 hours in choral and 2 hours in performing groups.~~ Total performance experience (performance studies and performing groups) must include ~~a minimum of 4 hours in choral/vocal music and 4 hours in instrumental music.~~

Choral/General (~~67 hours~~): MUS 164, 251, 252, 253, 254, 351, 352, 353, 354, 359, 360, 361, 455, 480, 482, 483, 488, 489, 490, 491, 497. Performance Studies: 14 credits hours of which 2 credits hours must be at the 400 level. Performance Groups: 7 credits hours, minimum of 1 credit hour during each of seven semesters, to include at least 1 credit hour of MUS 428.

Instrumental/General (~~69 hours~~): MUS 164, 251, 252, 253, 254, 351, 352, 353, 354, 359, 360, 361, 455, 480, 482, ~~483~~, 487, 490, 491, 493, 494, 497. Performance Studies: 14 credits hours minimum of which 2 credits hours must be at the 400 level. Performance Groups: 7 credits hours, minimum of 1 credit hour during each of seven semesters, to include at least 1 credit hour of MUS 435.

Physics (~~64-69 hours~~): ASTRONOM 345; BIOLOGY 106; ~~430~~; CHEM 105, 106; one from HISTORY 381, 382, 483; SOC 430, or HONORS 390; MATH 171, 172, 220, 273, 315; PHYSICS 201 or 205, 202 or 206, 303, 304, 410, 415 or 514; 499 (4 credits hours includes observing PHYSICS 101 and 102); SCIENCE 430; one from STAT 212, 412 or PSYCH 311; two from PHYSICS 320, 330, 341.

Social Studies (~~63 hours~~): ECONS 102; HISTORY 101, 102, 110, 111, 120, 422, 480 and 12 credits hours of upper-division history electives w/advisor approval that must include a non-western, a European, a U.S. History, and an elective; POL S 101; SOC 101; one from ANTH 101, 198, 203, 260; one from ECONS ~~320, 327, 416, 427, 404, 428, 430~~; two from HISTORY 230 or 231, 270 or 271, 272 or 273, 274, 275; one from HISTORY 319, 495, ANTH 309; one from HISTORY 469, SOC 320; one from POL S 300, 316, 427, 450, 455, CRM J 320; ~~two one~~ from ANTH 307, 316, 320, 330, 331, 350, PSYCH 310, 324, 361, 470, SOC 320, 351, 384, 430.

ADD-ON ENDORSEMENTS

Anyone wishing to add an endorsement to a valid Washington State teacher certificate must make application to the WSU add-on endorsement program. The application and more information can be found on the College of Education's website (<http://education.wsu.edu/studentservices/endorsements>). The following endorsements are available as add-on endorsements only. Individuals may be recommended for endorsement in bilingual education, English Language Learners, reading, middle level science, middle level mathematics, science, or special education concurrently

with completion of endorsement requirements in elementary education or one of the specific subject endorsements listed above, or as an endorsement added to a currently valid teacher certificate.

Bilingual Education ~~(21 hours)~~: TCH LRN 333 or 510, 339 or 549, 401 or 501, 409 or 509, 411, 413 or 414 or 514 ~~and 509~~; one from ENGLISH 256 or TCH LRN 330, 404, 504 (highly recommended), 512, 516, 537, 574, 580. Demonstrated proficiency in a language other than English by passing the oral and written proficiency tests of the American Council on the Teaching of Foreign Language (ACTFL) at the advance mid-level.

English Language Learners [undergraduate level] ~~(18 hours)~~: TCH LRN ~~330, 333, 339, 401, 413 or 414, and 409 (under development) or 509, or equivalent~~. One from ENGLISH 256 or TCH LRN 330, 404, 504 (highly recommended), 512, 516, 537, 574, 580.

English Language Learners [graduate level] ~~(18 hours)~~: TCH LRN 501, 509, 510, 514, 549; one from TCH LRN 512, 516, 504, (highly recommended), 537, 574 or 580.

Middle Level Science ~~(17 hours)~~: CHEM 101, BIOLOGY 107, PHYSICS 150, SCIENCE 430, TCH LRN 513, 304.

Middle Level Math: MATH 106, 252, 303, 351; TCH LRN 426 or 533, 427 or 534 approved probability and statistics course.

Middle Level Science ~~(17 hours)~~: CHEM 101, BIOLOGY 107, PHYSICS 150, SCIENCE 430, TCH LRN 304.

Reading [undergraduate level] (20+ hrs): TCH LRN 528, 551, 553, 558; TCH LRN 307, 322, 413.

Reading [graduate level] ~~(20+ hours)~~: TCH LRN 528, 537, 544, 546, 551, 553, 558; one from TCH LRN 307, 532, 544, 547, 548, 552; one from TCH LRN 322, 538, 546, 556; one from TCH LRN 413, 505, 507, 537.

Science ~~(hours vary)~~: The candidate must complete a full endorsement in biology, chemistry, physics, or earth and space science, plus the following courses, if not included in the full endorsement: one 3-4 credit Astronomy course; CHEM 345; two from GEOLOGY 102, 210, 323 or 390; BIOLOGY 107.

Special Education [undergraduate level] ~~(31 hours)~~: SPEC ED 301, 401, 402, 403, 404, 409, 421, 440, 470, 490 or 499 (4 credits).

Special Education [graduate level] ~~(31 hours)~~: SPEC ED 301, 501, 502, 503, 504, 509, 521, 540, 571, 590 or 499 (4 credits).