UNDERGRADUATE AND PROFESSIONAL MAJOR CHANGE BULLETIN NO. 10
Spring 2014

---REQUIREMENTS---

Faculty Senate Approved April 10, 2014

The requirements listed below reflect the undergraduate major curricular changes approved by the Catalog Subcommittee since approval of the last Undergraduate Major Change Bulletin. All changes are underlined. Deletions are crossed out. The column to the far right indicates the date each change becomes effective.

Dept	Proposed	Effective Date
Agricultural and Food Systems Revise graduation requirements in Agricultural and Food Business Economics	**Agricultural and Food Business Economics(120 Hours)** The Agricultural and Food Business Economics major gives students what they need to succeed in the food and agricultural business world – knowledge of business and economics practices as well as a deep understanding of animal, plant, and food systems. Graduates in this major are highly qualified to fill positions ranging from market researcher to product analyst to food broker in a variety of venues, including private industry, commercial farms and ranches, government agencies, production agriculture, and universities. **First Year** *First Term* — *Hours* ~~AFS 101~~ — ~~3~~ ANIM SCI 101 — 3 ECONS 101 [SSCI] or 102 [SSCI] — 3 HISTORY 105 [ROOT] — 3 HORT/ CROP SCI 102 — 3 MATH 201[1] — 3 *Second Term* — *Hours* ECONS 101 or 102 — 3 ENGLISH 101 [WRTG] — 3 H D 205 [COMM] or COM 102 [COMM] — 3 or 4 ~~HISTORY 105 [ROOT]~~ — ~~3~~ Humanities [HUM] — 3 MATH 202 [QUAN][1] — 4 **Second Year** *First Term* — *Hours* AFS 101 — 3 ~~BIOLOGY 120 [BSCI]~~ — ~~4~~ CHEM 101 [PSCI] — 4	**8-14**

~~Creative & Professional Arts [ARTS]~~	~~3~~
Diversity [DIVR]	3
STAT 212 or MGTOP 215	4
Second Term	*Hours*
ACCTG 230	3
AFS 201	3
~~BIOLOGY 106~~	~~4~~
CHEM 102	4
Creative & Professional Arts [ARTS]	3
SOIL SCI 201	3
Complete Writing Portfolio	
Third Year	
First Term	*Hours*
AFS Core Systems Elective ~~ECONS 351~~[2]	3
BIOLOGY 120 [BSCI]	4
~~CROP SCI 360~~	~~3~~
~~CRS 336~~	~~3~~
ECONS 301	3
ECONS 350[23]	3
Electives	3
Second Term	*Hours*
BIOLOGY 106	4
ECONS 302	3
ECONS 311 [M]	3
~~FIN 325 or~~ ECONS 335	3
~~Humanities [HUM]~~	~~3~~
~~SOIL SCI 201~~	~~3~~
Electives	3
Fourth Year	
First Term	*Hours*
300-400-level Electives	~~3~~6
CROP SCI 360	3
~~Diversity [DIVR]~~	~~3~~
ECONS 452 [M]	3
~~Electives~~	~~6~~
Second Term	*Hours*
AFS 401 ~~or Integrative Capstone~~ [CAPS]	3

	ECONS 450 [M] or 453 3 ECONS 451 ~~(AFS Core Systems Elective)~~ 3 300-400-level Elective 3 Electives ~~6~~3 **Footnotes** [1] An alternative to MATH 201 and 202 is MATH 171 and 220. [2] AFS Core Systems Electives: AGTM 305, AGTM 310, ANIM SCI 464, ANIM SCI 472, ANIM SCI 474, BIOLOGY 372, CROP SCI 302, ECONS 351, HORT 320, NATRS 300, SOIL SCI 368, or other systems courses approved by your advisor. [~~2~~3] ECONS 352, which is only offered in the spring, may be used as an alternative for ECONS 350.	
Agricultural and Food Systems Revise graduation requirements in Agricultural Education	**Agricultural Education (~~126~~ 129 Hours)** Combining the best of both agriculture and teaching, the Agricultural Education major prepares students to educate the next generation of agricultural leaders and consumers. Highly sought after by employers, they teach high school and middle school agricultural science classes, as well as serve as FFA advisors, adult education instructors, community outreach coordinators, university extension agents, etc. This major requires students to complete the AFS core courses and agricultural education required courses, as well as a series of teaching and learning courses to meet initial teacher certification requirements. Students also spend a semester student teaching in an agricultural education program in a Washington high school. Students electing a major in Agricultural Education must complete at least 6 hours in Communication Proficiency, 3 hours in Humanities, ~~6~~3 hours in Social Sciences, 3-4 hours in Mathematics, 8 hours in Biological Sciences, and 8 hours in Physical Sciences~~, 42 hours in professional education~~. Students must also complete 43 hours of professional core classes for the Secondary Education Certification and 57 hours for the Agricultural Education Endorsement. ~~The program requires a minimum of 134 semester hours for graduation. Students must take all core agriculture courses plus 16 additional credits in technical agriculture from the College of Agricultural, Human, and Natural Resource Sciences. (Student teaching requires AG ED 407 and TCH LRN 415). Students must also meet the College of Education certification requirements for entry into the program.~~ **First Year** *First Term* *Hours* ~~AFS 101~~ ~~3~~ ANIM SCI 101 3 CHEM 101 [PSCI] 4 ECONS 101 [SSCI] 3 HORT/ CROP SCI 102 3	**8-14**

	ENGLISH 101 [WRTG] 3 *Second Term* *Hours* AGTM 201 3 CHEM 102 4 ENGLISH 201 [WRTG] 3 HISTORY 105 [ROOT] 3 Humanities [HUM] 3 ~~PSYCH 105 [SSCI]~~ ~~3~~ Complete West B Exam **Second Year** *First Term* *Hours* AFS 101 3 300-400-level Ag Elective[1] 3 BIOLOGY 120 [BSCI] 4 Creative & Professional Arts [ARTS] 3 ~~ECONS 101~~ ~~3~~ ~~ENGLISH 201 [WRTG]~~ ~~3~~ TCH LRN 301 3 Certify in College of Education *Second Term* *Hours* AFS 201 3 BIOLOGY 106 or 107 4 Diversity [DIVR] 3 SOIL SCI 201 3 STAT 212 [QUAN], MATH 140 [QUAN], 171 [QUAN], or 202 [QUAN] 3 or 4 ~~TCH LRN 317~~ ~~2~~ Complete Writing Portfolio *Third Term* *Hours* TCH LRN 317 (Available summer only) 2 **Third Year** *First Term* *Hours* Ag Elective (300-400 level)[1] 3 CROP SCI 360 3 ~~Diversity [DIVR]~~ ~~3~~ ECONS 350[1~~2~~] 3 TCH LRN 464 3 TCH LRN 465 3	

	TCH LRN 466 2 *Second Term* *Hours* AFS 401~~, or Integrative Capstone~~ [CAPS] 3 AGTM 402 3 ED PSYCH 468 3 TCH LRN 467 [M] 3 TCH LRN 469 2 TCH LRN 470 3 **Fourth Year** *First Term* *Hours* AFS Core Systems Elective[3] 3 AG ED 440 [M] 2 AG ED 450 3 AG ED 471 2 300-400-level Ag Elective [1] 3 ~~AGTM 305~~ ~~3~~ ~~CROP SCI 360~~ ~~3~~ ~~Integrative Capstone [CAPS]~~ ~~3~~ *Second Term* *Hours* AG ED 407 8 TCH LRN 415 8 **Footnotes** 1 The Agricultural Upper Division Electives are required for Teacher Certification in Agricultural Education. Any 300 or 400 level course with one of the following CAHNRS subjects: AGTM, AFS, ANIM SCI, CROP SCI, ECONS, ENTOM, ENIVR SCI, FS, HORT, IPM, LND ARCH, NATRS, PL P, SOIL SCI, or VIT ENOL can be accepted to fulfill this requirement per advisor approval. ~~1~~2 ECONS 352, which is only offered in the spring, may be used as an alternative for ECONS 350. 3 AFS Core Systems Electives: AGTM 305, AGTM 310, ANIM SCI 464, ANIM SCI 472, ANIM SCI 474, BIOLOGY 372, CROP SCI 302, ECONS 351, HORT 320, NATRS 300, SOIL SCI 368, or other systems courses approved by your advisor.	
Agricultural and Food Systems Revise graduation requirements in Agricultural Technology and Production Management	**Agricultural Technology and Production Management(~~121~~ 120 Hours)** Students in this hands-on major gain a science-based overview of agriculture and food systems, with an emphasis on the practical application of technology to agricultural production systems. The program combines students' inherent creativity and interest in physical and biological sciences, technology, mathematics, business, and related subjects with their desire to develop innovative solutions to a variety of agricultural problems. Areas of application include precision agricultural operations and services, management of agricultural businesses, production operations, sales, and promotional work in domestic and international agricultural communities. Graduates are prepared to own, operate, and manage their own enterprises or to provide services for private or governmental entities. **First Year**	**8-14**

First Term	*Hours*
~~AFS 101~~	~~3~~
ANIM SCI 101	3
CHEM 101 [PSCI]	4
HISTORY 105 [ROOT]	3
HORT/ CROP SCI 102	3
Elective or MATH 201[1]	3

Second Term	*Hours*
CHEM 102	4
~~COM 102 [COMM] or H D 205 [COMM]~~	~~3 or 4~~
ECONS 101 [SSCI]	3
ENGLISH 101 [WRTG]	3
~~HISTORY 105 [ROOT]~~	~~3~~
SOIL SCI 201	3
STAT 212 [QUAN], MATH 140 [QUAN], 171 [QUAN], or 202 [QUAN]	3 or 4

Second Year

First Term	*Hours*
~~ACCTG 230 or Elective~~[1]	~~3~~
AFS 101	3
AGTM 305	3
AGTM 314	3
BIOLOGY 120 [BSCI]	4
Humanities [HUM]	3
~~Creative & Professional Arts [ARTS]~~	~~3~~

Second Term	*Hours*
ACCTG 230	3
AFS 201	3
BIOLOGY 106 or 107	4
Creative & Professional Arts [ARTS]	3
COM 102 [COMM] or H D 205 [COMM]	3 or 4
~~CRS 336~~	~~3~~
~~ECONS 101 [SSCI]~~	~~3~~
~~Humanities [HUM]~~	~~3~~
~~SOIL SCI 201~~	~~3~~
Complete Writing Portfolio	

Third Year

First Term	*Hours*

AFS 336[2]	3
AGTM 315	3
~~AGTM 330~~	~~3~~
CROP SCI 305, CROP SCI 403, ~~ENTOM 340,~~ or PL P 429[3]	3
CROP SCI 360	3
ECONS 350[24]	3
~~MGMT 301 or Elective[1]~~	~~3~~
Second Term	*Hours*
~~400-Level Business or Elective[1]~~	~~3~~
~~AFS 201~~	~~3~~
~~AGTM 315~~	~~3~~
AGTM 330	3
AGTM 412	3
Diversity [DIVR]	3
ECONS 450 [M] or [M] Elective[15]	3
MGMT 301 or Elective[15]	3

Fourth Year

First Term	*Hours*
400-Level Business or Elective[15]	3
AFS Core Systems Elective[6]	3 or 4
AGTM 451	1
~~Diversity [DIVR]~~	~~3~~
MKTG 360 or Elective[15]	3
Elective	2
Second Term	*Hours*
~~400-Level Business or Elective[1]~~	~~1~~
AFS 401~~, or Integrative Capstone~~ [CAPS]	3
AGTM 405	2
AGTM 416	3
~~AGTM 436~~	~~2~~
ENGLISH 402 [M]	3
Elective	3

Footnotes

[1] Advisor recommended course.

[2] NATRS 312 can be taken in the spring as an alternative to AFS 336.

[3] ENTOM 351 can be taken in the spring as an alternative to the other courses listed.

~~[24]~~ ECONS 352, which is only offered in the spring, may be used as an alternative for ECONS 350.

	~~15~~ Courses required for a Business minor. Working with their advisors, students are encouraged to apply electives towards a minor of their choice. 6 AFS Core Systems Electives: AGTM 305, AGTM 310, ANIM SCI 464, ANIM SCI 472, ANIM SCI 474, BIOLOGY 372, CROP SCI 302, ECONS 351, HORT 320, NATRS 300, SOIL SCI 368, or other systems courses approved by your advisor.	
Agricultural and Food Systems Revise graduation requirements in Agriculture and Food Security	**Agriculture and Food Security(120 Hours)** Students in this major are the protectors of the world's plant-based food supply. The Agriculture and Food Security major prepares students to manage plant pests and diseases from a holistic perspective. Students learn to understand the complexity of relationships within agricultural ecosystems, how external factors influence these systems, and how to effectively manage pests and diseases without incurring undue risks to human or environmental health. Course offerings begin with a strong scientific base in biology and chemistry, and expand to focus on crop science, soil science, integrated pest management, and plant pathology. The major is an exciting blend of classroom instruction and field experience that is tailored to the eventual employment goals of the student. Graduates who can evaluate and diagnose pest and plant disease problems and recommend economically and ecologically sound ways to correct them are in great demand. Excellent employment opportunities exist with state, federal, and international agricultural, environmental, and regulatory agencies, agrichemical companies, agricultural and environmental consulting firms, food processing, forest product, and vegetable and seed companies, and a wide range of other agribusiness enterprises. **First Year** ***First Term*** ***Hours*** ~~AFS 101~~ ~~3~~ ANIM SCI 101 3 CHEM 101 [PSCI] or 105 [PSCI] 4 ECONS 101 [SSCI] 3 HISTORY 105 [ROOT] 3 HORT/ CROP SCI 102 3 ***Second Term*** ***Hours*** CHEM 102 or 106 4 COM 102 [COMM] or H D 205 [COMM] 3 or 4 ~~Creative & Professional Arts [ARTS]~~ ~~3~~ ENGLISH 101 [WRTG] 3 HORT/ CROP SCI 202 4 **Second Year** ***First Term*** ***Hours*** AFS 101 3	**8-14**

BIOLOGY 107 [BSCI] or 120 [BSCI]	4	
~~COM 102 [COMM] or H D 205 [COMM]~~	~~3 or 4~~	
Diversity [DIVR]	3	
~~ENVR SCI 174~~	~~3~~	
~~IPM 201~~	~~2~~	
Humanities [HUM]	3	
SOIL SCI 201	3	
Second Term	***Hours***	
AFS 201	3	
BIOLOGY 106	4	
Creative & Professional Arts [ARTS]	3	
~~ECONS 101 [SSCI]~~	~~3~~	
ENTOM 351	3	
~~Humanities [HUM]~~	~~3~~	
STAT 212 [QUAN]	4	
Complete Writing Portfolio		
Third Year		
First Term	***Hours***	
~~AFS Core Systems Elective~~	~~3 or 4~~	
CROP SCI 305	3	
CROP SCI 360	3	
~~Diversity [DIVR]~~	~~3~~	
ECONS 350[1]	3	
ENTOM 343 [M]	3	
Electives	3	
Second Term	***Hours***	
AFS 302 [M][2]	3	
AFS Core Systems Elective[3]	3 or 4	
~~ENTOM 340~~	~~3~~	
IPM 452	3	
~~IPM 462~~	~~3~~	
~~STAT 212 [QUAN]~~	~~4~~	
Electives	~~3~~6	
Fourth Year		
First Term	***Hours***	
AFS ~~CRS~~ 336	3	
CROP SCI 403	3	
PL P 300	2	
PL P 429	3	

	~~SOIL SCI 301 [M]~~[2] ~~3~~ Electives 3 ***Second Term*** ***Hours*** ~~300-400-level Electives~~ ~~3~~ 400-500-level Seminar in any CAHNRS Dept 1 AFS 401~~, or Integrative Capstone~~ [CAPS] 3 SOIL SCI 441 3 Electives ~~7~~6 **Footnotes** [1] ECONS 352, which is only offered in the spring, may be used as an alternative for ECONS 350. [2] ~~Or~~ SOIL SCI 414~~and~~/ 415 ~~may be used~~ can be taken as an alternative to SOIL SCI 302. However another [M] course will be required.~~spring semester~~. [3] AFS Core Systems Electives: AGTM 305, AGTM 310, ANIM SCI 464, ANIM SCI 472, ANIM SCI 474, BIOLOGY 372, CROP SCI 302, ECONS 351, HORT 320, NATRS 300, SOIL SCI 368, or other systems courses approved by your advisor.	
Agricultural and Food Systems Revise graduation requirements in Organic Agriculture Systems	**Organic Agriculture Systems(120 Hours)** Significantly different than conventional agriculture, organic food production is one of the fastest growing segments of agriculture, with retail sales increasing by 20 percent annually since 1991. In many ways, Washington State has been a leader in this burgeoning new industry. This revolutionary new major is the first of its kind to be offered in the United States. Students in this major take a diverse array of courses in the natural, environmental, economic, and social sciences, as well as a number of courses focused on organic production practices. Students wanting a hands-on degree experience thrive in the organic major. WSU has over a four-acre certified organic teaching farm where students learn to produce certified organic vegetables, fruit, herbs, and flowers that they distribute through local food banks, on-campus food service, a 100-member CSA (community supported agriculture), and a local farmers' market. Students have the opportunity to tailor their program of study to specific areas of emphasis, such as organic animal and dairy production, economics and marketing, crop production, food science, pest management, soil management, etc. in consultation with their advisor. The Organic Agriculture Program at WSU prepares students to work on or develop their own organic farm. It also prepares students for employment opportunities with nonprofit organizations and government agencies involved in environmental and food safety, as well as private-sector food processing, marketing, organic certification, and product development industries. **First Year** ***First Term*** ***Hours*** ~~AFS 101~~ ~~3~~ ANIM SCI 101 3 CHEM 101 [PSCI] or 105 [PSCI] 4	**8-14**

ECONS 101 [SSCI]	3	
ENGLISH 101 [WRTG]	3	
HORT/ CROP SCI 102	3	
Second Term	***Hours***	
CHEM 102 or 106	4	
HISTORY 105 [ROOT]	3	
HORT/ CROP SCI 202	4	
SOIL SCI 101	3	
Second Year		
First Term	***Hours***	
AFS 101	3	
BIOLOGY 107 [BSCI] or 120 [BSCI]	4	
~~COM 102 [COMM] or H D 205 [COMM]~~	~~3 or 4~~	
Humanities [HUM]	3	
~~Creative & Professional Arts [ARTS]~~	~~3~~	
STAT 212 [QUAN]	4	
Second Term	Hours	
AFS 201	3	
BIOLOGY 106	4	
COM 102 [COMM] or H D 205 [COMM]	3 or 4	
Creative & Professional Arts [ARTS]	3	
~~ECONS 101 [SSCI]~~	~~3~~	
~~Humanities [HUM]~~	~~3~~	
SOIL SCI 201	3	
Complete Writing Portfolio		
Third Year		
First Term	***Hours***	
BIOLOGY 140	3	
CROP SCI 305~~, ENTOM 340,~~ or PL P 429	3	
CROP SCI 360	3	
ENTOM 343 [M]	3	
Horticulture Production Elective[1]	3	
~~IPM 201~~	~~2~~	
~~SOIL SCI 301 [M]~~[1]	~~3~~	
Second Term	***Hours***	
AFS 445	3	
ECONS 352[2]	3	
ENTOM 351	3	
~~IPM 462 [M]~~	~~3~~	

	SOIL SCI 302 [M][3] 3 SOIL SCI 498 3 ~~Electives~~ ~~3~~ **Fourth Year** ***First Term*** ***Hours*** AFS ~~CRS~~ 336 3 CROP SCI 403 3 Diversity [DIVR] 3 ~~NATRS 300 (~~AFS Core Systems Elective~~)~~[4] 3 Electives 3 ***Second Term*** ***Hours*** AFS 401, ~~or Integrative Capstone~~ [CAPS] 3 CROP SCI/SOIL SCI 412 1 SOIL SCI 441 3 SOIL SCI 480 6 Electives ~~3~~2 **Footnotes** [1] Horticulture Production Electives: HORT 310, HORT 313, HORT 357 (spring), HORT 490. ~~[4] Or SOIL SCI 414 and 415 spring semester.~~ [2] ECONS 350, which is only offered in the fall, may be used as an alternative for ECONS 352. [3] SOIL SCI 414/415 can be taken as an alternative to SOIL SCI 302. However another [M] course will be required. [4] AFS Core Systems Electives: AGTM 305, AGTM 310, ANIM SCI 464, ANIM SCI 472, ANIM SCI 474, BIOLOGY 372, CROP SCI 302, ECONS 351, HORT 320, NATRS 300, SOIL SCI 368, or other systems courses approved by your advisor.	
Business Revise graduation requirements for major in Accounting	**Accounting(120 Hours)** **Fourth Year** ***First Term*** ***Hours*** 400-level ACCTG course~~, MGMT 487, or 300-400-level MIS or FIN course~~[3] 3 ACCTG 433 [M] 3 Integrative Capstone [CAPS] 3 Electives 6 ***Second Term*** ***Hours*** 400-level ACCTG course~~, MGMT 487, or 300-400-level MIS or FIN course~~[3] 3 ACCTG 438 [M] or ACCTG 439 [M] 3 ENGLISH 402 [WRTG][4] 3 MGMT 491 or ENTRP 492 3 Elective 1	**8-14**

	Footnotes [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]. [2] Required for the major. [3] 400-level Accounting courses: MGMT 401, 485, 487, MGTOP 470, MKTG 379, or 300-400-level MIS or FIN course. May not include courses from the business administration core, the set of required accounting courses, or any 498 or 499 courses. [4] If approved, ENGLISH 403 may fulfill the UCORE Communication [COMM] or Written Communication [WRTG] requirement.	
Environment Change name of minor and revise minor requirements for minor in Geology	**~~Geology~~ Earth Sciences** ~~A student with 90 semester hours may certify a minor.~~ An Earth Sciences minor requires a minimum of 16 semester hours of letter-graded geology coursework or approved electives, 9 hours of which must be in 300-400-level course work taken in residence at WSU or through WSU-approved education abroad or educational exchange courses. ~~A minimum 2.0 gpa in geology minor course work is required.~~	**8-14**
Foreign Languages and Cultures New Major to be offered only as a Second Major: French for Professions	**French for the Professions** **(38 credits; second major only)** **Language foundation (14 crs.)** **FRENCH 101 and FRENCH 102: First and Second Semester[1]** **FRENCH 203: Third Semester** **FRENCH 261: Intro. to Professional Language** **Intermediate language (6 crs.)** **Two courses from:** **FRENCH 306: Intermediate Reading and Translation** **FRENCH 307: Intermediate Speaking and Listening** **FRENCH 308: Intermediate Grammar and Writing** **Language for specific purposes (6 crs.)** **FRENCH 320 [HUM]: Culture in the target language** **FRENCH 361 [COMM]: Advanced French for the Professions** **Upper level experience (12 crs.)** **FRENCH 420 [CAPS]: French Culture through Wine** **FORLANG 495: International-content or International** **Two Writing in the Major [M] courses[2]** **Internship / Service Learning/ Undergraduate** **Research / Study Abroad (for 8 weeks minimum)** **STAMP 4S (Standards-based Measurement of Proficiency): This is a web-based assessment of foreign language proficiency in Reading, Writing, Speaking, and Listening and will be taken during the semester in which the student is completing the final course for the major taught in the target language.** [1] WSU Foreign Language admission requirement. Most students entering WSU will have already fulfilled the equivalent of the 101 and 102 courses, if they choose to pursue the same foreign language for this major.	**8-14**

	[2] WSU requires that students take two M (writing in the major) courses for every major. Please contact the department to learn of exceptions to, modifications and/or substitutions for the M requirements, especially for this second major.	
Foreign Languages and Cultures New Major to be offered only as a Second Major: German for Professions	**German for the Professions (39 credits; second major only)** **Language foundation (15 crs.)** **GERMAN 101 and 102: First and Second Semester[1]** **GERMAN 203: Third Semester** **GERMAN 204: Fourth Semester** **Intermediate language (6 crs.)** **GERMAN 307: Intermediate Speaking and Listening** **GERMAN 308: Intermediate Grammar and Writing** **Language for specific purposes (6 crs.)** **GERMAN 320 [HUM]: Culture** **GERMAN 361 [COMM]: German for the Professions** **Upper level experience (12 crs.)** **GERMAN 420 [CAPS]: Socio-Cultural History of the German Language** **FORLANG 495: International-content or International** **Two Writing in the Major [M] courses[2]** **Internship / Service Learning/ Undergraduate Research / Study Abroad (for 8 weeks minimum)** **STAMP 4S (Standards-based Measurement of Proficiency): This is a web-based assessment of foreign language proficiency in Reading, Writing, Speaking, and Listening and will be taken during the semester in which the student is completing the final course for the major taught in the target language.** [1] WSU Foreign Language admission requirement. Most students entering WSU will have already fulfilled the equivalent of the 101 and 102 courses, if they choose to pursue the same foreign language for this major. [2] WSU requires that students take two M (writing in the major) courses for every major. Please contact the department to learn of exceptions to, modifications and/or substitutions for the M requirements, especially for this second major.	**8-14**
Foreign Languages and Cultures New Major to be offered only as a Second Major: Spanish for Professions	**Spanish for the Professions (38 credits; second major only)** **Language foundation (14 crs.)** **SPANISH 101 and 102: First and Second Semester[1]** **SPANISH 203: Third Semester** **SPANISH 261: Intro. to Professional Language**	**8-14**

	Intermediate language (6 crs.) **Two courses from:** **SPANISH 306: Intermediate Reading and Translation** **SPANISH 307: Intermediate Speaking and Listening** **SPANISH 308: Intermediate Grammar and Writing** **Language for specific purposes (6 crs.)** **SPANISH 320 [HUM] or SPANISH 321 [DIVR]: Culture in the target language** **SPANISH 361 [COMM] or another of the discipline-specific professional courses in the target language (362, 363, 364, 365)** **Upper level experience (12 crs.)** **Integrative Capstone (SPANISH 420) [CAPS]: Culture course in English** **FORLANG 495: International-content or International** **Two Writing in the Major [M] courses[2]** **Internship / Service Learning/ Undergraduate** **Research / Study Abroad (for 8 weeks minimum)** **STAMP 4S (Standards-based Measurement of Proficiency): This is a web-based assessment of foreign language proficiency in Reading, Writing, Speaking, and Listening and will be taken during the semester in which the student is completing the final course for the major taught in the target language.** [1] WSU Foreign Language admission requirement. Most students entering WSU will have already fulfilled the equivalent of the 101 and 102 courses, if they choose to pursue the same foreign language for this major. [2] WSU requires that students take two M (writing in the major) courses for every major. Please contact the department to learn of exceptions to, modifications and/or substitutions for the M requirements, especially for this second major.	
Integrated Plant Sciences Revise graduation requirements in Agricultural Biotechnology	**Agricultural Biotechnology(120 Hours)** The Agricultural Biotechnology major is a designed for students interested in careers as laboratory or research technicians in plant biotechnology, breeding, genetics, entomology, plant pathology, molecular biology, or physiology, as well as for students preparing for advanced degrees in these areas. The program emphasizes the development and application of new technology to ensure a safe and abundant food and fiber supply. Students may find employment in industry, government, or university labs. **First Year** ***First Term*** ***Hours*** ~~BIOLOGY 106 [BSCI]~~ ~~4~~ CHEM 105 [PSCI] 4 ENGLISH 101 [WRTG] 3 HORT/ CROP SCI 102 3 MATH 140 [QUAN] 4	**8-14**

Second Term		***Hours***
~~BIOLOGY 107 or BIOLOGY 120~~		~~4~~
CHEM 106		4
ECONS 101 [SSCI] ~~or ECONS 102 [SSCI]~~		3
HISTORY 105 [ROOT]		3
HORT/ CROP SCI 202		4
Second Year		
First Term		***Hours***
BIOLOGY 106 or 107 [BSCI]		4
~~CHEM 105 [PSCI]~~		~~4~~
COMST 102 [COMM] or H D 205 [COMM]		3 or 4
~~Creative & Professional Arts [ARTS]~~		~~3~~
ENTOM 343 [M]		3
~~Humanities [HUM]~~		~~3~~
~~IPM 201~~[1]		~~2~~
STAT 212		4
Second Term		***Hours***
BIOLOGY 106 or 107		4
~~CHEM 106 [PSCI]~~		~~4~~
~~COMST 102 [COMM] or H D 205 [COMM]~~		~~3 or 4~~
Creative & Professional Arts [ARTS]		3
ENTOM ~~340~~ 351		3
Humanities [HUM]		3
SOIL SCI 201		3
~~Electives (Rec [M] course)~~		~~3~~
Complete Writing Portfolio		
Third Year		
First Term		***Hours***
~~ANTH 203 or ANTH 309~~		~~3~~
BIOLOGY 420		3
CHEM 345		4
MBIOS 301		4
PL P 429		3
Electives		3
Second Term		***Hours***
~~CROPS 425~~		~~3~~
CROP SCI 445 [M]		4
CROP SCI 495		3
Diversity [DIVR]		3

	MBIOS 303 4 MBIOS 305 3 ~~Electives~~ ~~4~~ **Fourth Year** ***First Term*** ***Hours*** HORT 480 3 ~~Integrative Capstone [CAPS]~~ ~~3~~ MBIOS 404 3 MBIOS 478 3 STAT 412 3 Elective ~~3~~4 ***Second Term*** ***Hours*** 400-500-level Seminar in CAHNRS 1 ~~CROPS 411 [M] or~~ HORT 416[1] 3 Integrative Capstone [CAPS] 3 IPM 452 2 MBIOS 401 3 ~~MBIOS 404~~ ~~3~~ ~~Electives~~ ~~4~~ **Footnotes** ~~1~~ ~~IPM 452 can be taken as an alternative to IPM 201.~~ 1 CROP SCI 411 [M] can be taken in the fall as an alternative to HORT 416.	
Integrated Plant Sciences Revise graduation requirements in Field Crop Management	**Field Crop Management(120 Hours)** The Field Crop Management major is ideal for students interested in agronomy, crop production, and plant, soil, and pest management. Crop scientists (or agronomists) are involved in improving food, feed, and fiber production. Graduates qualify for careers in agribusiness, corporate and technical farm management, professional consulting, research, and sales positions. **First Year** ***First Term*** ***Hours*** ~~BIOLOGY 106 [BSCI]~~ ~~4~~ CHEM 101 [PSCI] or 105 [PSCI] 4 ECONS ~~102~~ 101 [SSCI] 3 ~~ENGLISH 101 [WRTG]~~ ~~3~~ HISTORY 105 [ROOT] 3 HORT/ CROP SCI 102 3 Humanities [HUM] 3 ***Second Term*** ***Hours*** CHEM 102 or 106 4	**8-14**

Creative & Professional Arts [ARTS]	3
~~ECONS 102 [SSCI]~~	~~3~~
ENGLISH 101 [WRTG]	3
HORT/ CROP SCI 202	4
~~MATH 140 [QUAN]~~	~~4~~
Second Year	
First Term	***Hours***
~~ANTH 203 [DIVR] or Diversity [DIVR]~~	~~3~~
BIOLOGY 106 [BSCI], 107 [BSCI], or 120 [BSCI]~~or 107~~	4
COM 102 [COMM] or H D 205 [COMM]	3 or 4
~~HORT 102~~	~~3~~
~~Humanities [HUM]~~	~~3~~
MATH 140 [QUAN]	4
SOIL SCI 201	3
Electives	2
Second Term	***Hours***
~~Advisor Specified Course~~	~~4~~
BIOLOGY 106, 107, or 120	4
~~ENTOM 340~~[1]	~~3~~
ENTOM 351	3
~~H D 205 [COMM] or COM 102 [COMM]~~	~~3 or 4~~
~~HORT 202~~	~~4~~
STAT 212	4
Electives	3
Complete Writing Portfolio	
Third Year	
First Term	***Hours***
~~Advisor Specified Course (Rec [M])~~	~~4~~
CROP SCI 305	3
ECONS 350[1] ~~or ECONS 352~~	3
ENTOM 343 [M]	3
Major Elective[2]	3
Electives	~~7~~3
Second Term	***Hours***
CROP SCI 302	3
~~CROP SCI 411 [M]~~	~~3~~
CROP SCI 495, ~~497,~~ 498, or 499	3
Diversity [DIVR]	3
~~IPM 452~~[2]	~~2~~

	Electives 6 **Fourth Year** ***First Term*** ***Hours*** ~~Advisor Specified Course~~ ~~4~~ CROP SCI 403 3 CROP SCI 411 [M][3] 3 Integrative Capstone [CAPS] 3 Major Elective[2] 3 PL P 429 3 ***Second Term*** ***Hours*** CROP SCI 412 1 IPM 452 2 SOIL SCI 441 3 ~~STAT 212~~ ~~4~~ Major Elective[2] 3 ~~300-400-level~~ Electives ~~7~~6 **Footnotes** ~~1 ENTOM 343 can be taken as an alternative to ENTOM 340.~~ 1 ECONS 352 can be taken in the spring as an alternative to ECONS 350. 2 Major Elective (9 Credits): AFS 302 [M]; CROP SCI 360, 401, 445, 495, 498,499; ENTOM 361; HORT 357; SOIL SCI 422; and/or consult with your advisor. ~~2 IPM 201 can be taken as an alternative to IPM 452.~~ 3 HORT 416 can be taken in the spring as an alternative to CROP SCI 411. However, two [M] courses are required so one elective should have [M] designation.	
Integrated Plant Sciences Revise graduation requirements in Fruit and Vegetable Management	**Fruit and Vegetable Management(120 Hours)** The Fruit and Vegetable Management major offers specialization in the science and practice of growing, harvesting, handling, storing, processing, and marketing tree fruits, small fruits, and vegetables. Students will learn the most efficient and sustainable management practices involving state-of-the-art production systems for the diverse fruit and vegetable crops produced in the Pacific Northwest and beyond. Graduates can look forward to careers as growers and farm managers, production field advisors, sales representatives in the horticultural services industry, managers of produce firms, and brokers and marketers of fruit and vegetable products. **First Year** ***First Term*** ***Hours*** CHEM 101 [PSCI] or 105 [PSCI] 4 ECONS 101 [SSCI] or 102 [SSCI] 3 ~~ENGLISH 101 [WRTG]~~ ~~3~~ HISTORY 105 [ROOT] 3 HORT /CROP SCI 102 3	**8-14**

Second Term	***Hours***
~~BIOLOGY 106 [BSCI], 107 [BSCI], or 120 [BSCI]~~	~~4~~
CHEM 102 or 106	4
COM 102 [COMM] or H D 205 [COMM]	3 or 4
~~Creative & Professional Arts [ARTS]~~	~~3~~
ENGLISH 101 [WRTG]	3
Humanities [HUM]	3
HORT/CROP SCI 202	4
Second Year	
First Term	***Hours***
BIOLOGY 106 [BSCI] or 120 [BSCI]	4
Creative & Professional Arts [ARTS]	3
~~H D 205 [COMM] or COM 102 [COMM]~~	~~3 or 4~~
SOIL SCI 201	3
STAT 212 [QUAN], MATH 140 [QUAN], 171 [QUAN], or 202 [QUAN]	3 or 4
Second Term	***Hours***
BIOLOGY 107	4
~~Fruit & Veg Mgt Elective~~	~~2~~
HORT 251	4
~~Humanities [HUM]~~	~~3~~
Sustainability Elective[1]	3
Electives	~~3~~6
Complete Writing Portfolio	
Third Year	
First Term	***Hours***
~~ANTH 203 [DIVR] or~~ Diversity [DIVR]	3
ENTOM 343 [M]	3
HORT 310	3
HORT 313	3
~~IPM 201[2]~~	~~3~~
Pest Management Elective[3~~2~~]	3
Second Term	***Hours***
ENTOM ~~340~~ 351[4]	3
Environmental HORT Elective[3]	3
HORT 416[4] ~~or CROP SCI 411 [M]~~	3
Electives	6
Third Term	***Hours***
(Summer Session) HORT 399	~~3~~1

	Fourth Year ***First Term*** ***Hours*** BIOLOGY 420 3 HORT 320 3 ~~HORT 321~~ ~~1~~ HORT 418 [M] 3 PL P 300 or PL P 429 2 or 3 Sustainability Elective[1] 3 ~~Open Elective~~ ~~3~~ ***Second Term*** ***Hours*** 400-500-level Seminar in CAHNRS 1 Advanced Fruit or Vegetable Elective[5] 3 HORT 425 [M] [CAPS] 3 IPM 452 2 Pest Management Elective[3] 3 SoilS 441 3 **Footnotes** [1] Sustainability Elective (~~at least 2 courses~~ 6 credits): BIOLOGY 330, 372;ENVR SCI 101, 285 ~~375~~,469; SOIL SCI 101, ~~150, 301 [M],~~ 302~~, or 345~~, 480 and /or consult with your advisor. ~~[2] IPM 452 can be taken as an alternative to IPM 201.~~ ~~[2]~~[3] Pest Management Elective (~~at least 2 courses~~ 6 credits):CROP SCI 305, ~~ENTOM 375, IPM 462 [M], or 452.~~ PL P 300, 429; and/or consult with your advisor. [3] Environmental Horticulture Electives (3 credits): HORT 231, 232, 331, 332, 340, 357; and/or consult with your advisor. ~~[4] ENTOM 343 can be taken as an alternative to ENTOM 340.~~ [4] CROP SCI 411 [M] can be taken in the fall as an alternative to HORT 416. [5] Advanced Fruit or Vegetable Elective (at least 1 course): HORT 413, 421 [M], or 490.	
Integrated Plant Sciences Revise graduation requirements in Landscape Design and Implementation	**Landscape Design and Implementation(120 Hours)** Students interested in careers in designing and building residential, commercial, public, and institutional landscapes, using both plant material and non-living elements such as walls and fountains, should consider the Landscape Design and Implementation major. In addition to the IPS core courses, students will take courses in landscape architecture and horticulture. Through hands-on experience in course activities and participation in a professional practicum, students will learn to design, install, and maintain aesthetic outdoor environments that enrich people's lives. **First Year** ***First Term*** ***Hours*** BIOLOGY 106 [BSCI], 107 [BSCI], or 120 [BSCI] 4 ~~ENGLISH 101 [WRTG]~~ ~~3~~ HISTORY 105 [ROOT] 3 HORT/CROP SCI 102 3	**8-14**

Humanities [HUM]	3	
~~LND ARCH 101~~	~~3~~	
SDC 120	3	
Second Term	***Hours***	
BIOLOGY 106, 107, or 120	4	
~~Creative & Professional Arts [ARTS]~~	~~3~~	
~~H D 205 [COMM] or COM 102 [COMM]~~	~~3 or 4~~	
ENGLISH 101 [WRTG]	3	
HORT/CROP SCI 202	4	
LND ARCH 102	3	
SOIL SCI 201	3	
Second Year		
First Term	***Hours***	
~~BIOLOGY 106, 107, or 120~~	~~4~~	
CHEM 101 [PSCI] or CHEM 105 [PSCI]	4	
COM 102 [COMM or H D 205 [COMM]	3 or 4	
HORT 231	3	
LND ARCH 262	3	
Social Sciences [SSCI]	3	
Second Term	***Hours***	
CHEM 102 or CHEM 106	4	
Creative & Professional Arts [ARTS]	3	
Hort 232	3	
~~Humanities [HUM]~~	~~3~~	
LND ARCH ~~263~~ 362	3	
STAT 212 [QUAN], MATH 140 [QUAN], 171 [QUAN], or 202 [QUAN]	3 or 4	
Complete Writing Portfolio		
Third Year		
First Term	***Hours***	
CROP SCI 301 [M]	3	
Diversity [DIVR]	3	
Ecology/Environmental Science Elective[1]	3	
Horticulture Elective[2]	3	
~~ECONS 101 [SSCI] or 102 [SSCI]~~	~~3~~	
~~ENTOM 343[1]~~	~~3~~	
~~LDI Elective[2]~~	~~3~~	
~~LDI Elective [M][2]~~	~~3~~	
Second Term	***Hours***	
ENTOM 351	3	

	HORT 331 3 ~~IPM 452[3]~~ ~~2~~ LDI Major Electives[23] ~~2~~3 LND ARCH 365 4 ~~Electives~~ ~~3~~ **Fourth Year** ***First Term*** ***Hours*** ~~ANTH 203 [DIVR], or Diversity [DIVR]~~ ~~3~~ Eco/Env[1], Hort[2], or LDI Major Elective[3] 3 ENTOM 343[M] 3 ~~HORT 346~~ ~~1~~ ~~Integrative Capstone [CAPS]~~ ~~3~~ LND ARCH 366 4 ~~LND ARCH 399~~ ~~2~~ PL P 300 or 429 2 or 3 Electives 3 ***Second Term*** ***Hours*** 400-500-level Seminar in CAHNRS 1 HORT 416[4] 3 HORT 425 [M] [CAPS] 3 ~~LDI Electives[2]~~ ~~6~~ LND ARCH 367 3 LND ARCH 399 1 Electives 4 **Footnotes** [1] Ecology or Environmental Science Electives (3 credits): BIOLOGY 330, 372, 462; NATRS 300, 450, 454, 464; and/or consult with your advisor. ~~[1] ENTOM 340 can be taken as an alternative to Entom 343.~~ [2] Horticulture Electives (3 credits): CROP SCI 305; HORT 251, 332, 340, 341, 357, 358, 425; and/or consult with your advisor. ~~[2] LDI Electives: Electives to Customize the LDI Major: (Choose a minimum of 14 credits, including one [M] course) - Ecology or Environment Science Electives: (choose a minimum of 3 credits): BIOLOGY 330, 462, LND ARCH 380, NATRS 300, 450 [M], or 454 [M]. - Hort Electives: (choose a minimum of 3 credits): HORT 251, 332, 340, 341, 357, 358, 425 [M], CROP SCI 305, or 317. - Other Electives: (Choose a minimum of 3 credits): ACCTG 230, B LAW 210, COM 245, CST M 102, 252, MGTOP 101, or 340.~~ [3] LDI Major Electives (3 credits): ACCTG 230; B LAW 210; CST M 102; ECONS 101, 102; MGMT 315; and/or consult with your advisor. ~~[3] IPM 201 can be taken as an alternative to IPM 452.~~ [4] CROP SCI 411 [M] can be taken in the fall as an alternative to HORT 416.	
Integrative Plant Sciences Revise graduation	**Landscape, Nursery, and Greenhouse Management(120 Hours)** The Landscape, Nursery, and Greenhouse Management major is a horticulture-based program that prepares students for opportunities in landscape plant management and in the propagation, production, marketing, and use of potted	**8-14**

requirements in Landscape, Nursery, and Greenhouse Management	crops, bedding plants, trees, shrubs, and cut flowers. This is an exciting major for students interested in owning or managing a nursery or greenhouse; attending graduate school in horticulture; working for university extension offices and research greenhouses, maintaining public gardens, aboretums, landscapes, and parks; or working as wholesale horticultural-product brokers. Students in this major are encouraged to gain hands-on experience and earn scholarships through participation in the Horticulture Club. **First Year** ***First Term*** ***Hours*** ~~BIOLOGY 106 [BSCI], 107 [BSCI], or 120 [BSCI]~~ ~~4~~ CHEM 101 [PSCI] or 105 [PSCI] 4 COM 102 [COMM] or H D 205 [COMM] 3 or 4 Creative & Professional Arts [ARTS] 3 ~~ENGLISH 101 [WRTG]~~ ~~3~~ HISTORY 105 [ROOT] 3 HORT/ CROP SCI 102 3 ~~Electives~~ ~~2~~ ***Second Term*** ***Hours*** ~~COM 102 [COMM] or H D 205 [COMM]~~ ~~3 or 4~~ CHEM 102 or 106 4 ~~Creative & Professional Arts [ARTS]~~ ~~3~~ ENGLISH 101 [WRTG] 3 HORT/ CROP SCI 202 4 Humanities [HUM] 3 ~~SOIL SCI 201~~ ~~3~~ ~~Electives~~ ~~2~~ **Second Year** ***First Term*** ***Hours*** BIOLOGY 106 [BSCI], 107 [BSCI], or 120 [BSCI] 4 ~~CHEM 101 [PSCI] or 105 [PSCI]~~ ~~4~~ HORT 231 3 ~~Humanities [HUM]~~ ~~3~~ MATH 140 [QUAN], 171 [QUAN], 202 [QUAN], or STAT 212 [QUAN] 3 or 4 SOIL SCI 201 3 Electives 3 ***Second Term*** ***Hours*** ~~CHEM 102 or 106~~ ~~4~~ HORT 232 3 HORT 251 4 Social Sciences [SSCI] 3	

Electives	~~3~~4
Complete Writing Portfolio	

Third Year

First Term	***Hours***
BIOLOGY 106, 107, or 120	4
~~ANTH 203 [DIVR], or~~ Diversity [DIVR]	3
~~ECONS 101 [SSCI] or 102 [SSCI]~~	~~3~~
ENTOM 343[M]	3
Horticulture Electives[1]	3
~~MATH 140 [QUAN], 171 [QUAN], 202 [QUAN], or STAT 212 [QUAN]~~	~~3 or 4~~
Electives	3
Second Term	***Hours***
Advanced Plant Science Elective[2]	3
ENTOM ~~340~~[3] 351	3
HORT 331	3
Horticulture Electives[1]	3
~~IPM 452~~[4]	~~2~~
300-400-level Elective	~~1~~3
Third Term	***Hours***
(Summer Session) HORT 399	~~3~~1

Fourth Year

First Term	***Hours***
Advanced Plant Science Elective ~~[M]~~[2]	3
~~Horticulture Elective~~[1]	~~3~~
~~Integrative Capstone [CAPS]~~	~~3~~
PL P 300 or 429	2 or 3
Electives	~~6~~9
Second Term	***Hours***
400-500-level Seminar in CAHNRS	1
HORT 357	3
HORT 416	3
HORT 425 [M] [CAPS]	3
SOIL SCI ~~301~~302 [M] or 441	3
Horticulture Electives[1]	~~2~~1

Footnotes

[1] HORT Electives (~~10~~ 7-9 credits): CROP SCI 301 [M], 305, ~~317,~~ 401; HORT 310, 313, 320, 332, 340, 341, ~~346, or~~ 358, and /or consult with your advisor.

[2] Advanced Plant Science Electives (6 credits~~, including one [M] course unless student has taken two other [M] courses~~): BIOLOGY 301~~, 318,~~ 332, 372 [M], 409, 462, HORT 418 [M], CROP SCI/HORT ~~444,~~ 445 [M], NATRS 300, 450 [M], 454 [M], ~~or~~ 464, and /or consult with your advisor.

	[3] ~~ENTOM 343 can be taken as an alternative to ENTOM 340.~~ [4] ~~IPM 201 can be taken as an alternative to IPM 452.~~	
Integrated Plant Sciences Revise graduation requirements in Turfgrass Management	**Turfgrass Management(120 Hours)** The Turfgrass Management major is geared toward students interested in pursuing careers as golf course managers, athletic field managers, or personnel managers in those venues. Students will take courses in turf management, turf production, plant pathology, entomology, soil fertility, and plant breeding to learn how to maintain healthy turfgrass systems. Additionally, students gain hands-on experience at the Palouse Ridge Golf Course, a new 18-hole championship golfing facility at the Pullman campus. **First Year** ***First Term*** ***Hours*** ~~ANTH 203 [DIVR], or Diversity [DIVR]~~ ~~3~~ CHEM 101 [PSCI] 4 COM 102 [COMM] or H D 205 [COMM] 3 or 4 ~~CROP SCI 104~~ ~~1~~ ENGLISH 101 [WRTG] 3 HORT/ CROP SCI 102 3 ***Second Term*** ***Hours*** ~~BIOLOGY 106 [BSCI]~~ ~~4~~ CHEM 102 4 Creative & Professional Arts [ARTS] 3 HISTORY 105 [ROOT] 3 HORT/ CROP SCI 202 4 **Second Year** ***First Term*** ***Hours*** BIOLOGY 107 [BSCI] or 120 [BSCI] 4 ~~Creative & Professional Arts [ARTS]~~ ~~3~~ ~~CROP SCI 317~~ ~~1~~ Diversity [DIVR] 3 ECONS 101 [SSCI] 3 ~~H D 205 [COMM] or COM 102 [COMM]~~ ~~3 or 4~~ SOIL SCI 201 3 Electives 3 ***Second Term*** ***Hours*** AGTM 412 3 BIOLOGY 106 4 ~~CROP SCI 318~~ ~~1~~ ~~ECONS 102 [SSCI]~~ ~~3~~ ENTOM 351 3	**8-14**

Humanities [HUM]	3
~~IPM 452[1]~~	~~2~~
STAT 205 [QUAN] or 212 [QUAN]	3 or 4
~~Electives~~	~~3~~
Complete Writing Portfolio	
Third Year	
First Term	***Hours***
AGTM 315	3
CROP SCI 301 [M]	3
CROP SCI 305	3
ECONS/BUSINESS Electives[1]	3
ENTOM 343 [M]	3
~~STAT 212 [QUAN]~~	~~4~~
~~Electives~~	~~3~~
Second Term	***Hours***
CROP SCI/ HORT Elective[2]	3
~~CROP SCI 302, HORT 232, or HORT 331~~	~~3~~
~~ENTOM 340[2]~~	~~3~~
IPM 452	2
SOIL SCI 441	3
SOIL SCI 442	2
Electives	~~7~~4
Third Term	***Hours***
(summer) CROP SCI 495, 498, or 499	3
Fourth Year	
First Term	***Hours***
~~AGTM 314 or HORT 346~~	~~3~~
AGTM Elective[3]	3
CROP SCI 411 [M]	3
~~CROP SCI 495, 497, 498, or 499~~	~~3~~
~~Integrative Capstone [CAPS]~~	~~3~~
PL P 429	3
~~SOIL SCI 442~~	~~3~~
Electives	6
Second Term	***Hours***
~~ACCTG 230, ECONS 350 or 352, or MGTOP 301~~	~~3~~
CROP SCI 401	3
~~CROP SCI 411 [M]~~	~~3~~
CROP SCI 412	1

	~~CROP SCI 444~~ ~~2~~ Integrative Capstone [CAPS] 3 Electives ~~3~~7 **Footnotes** ~~1~~ ~~IPM 201 can be taken as an alternative to IPM 452.~~ 1 ECONS/BUSINESS Elective (3 credits): ACCTG 230; ECONS 350, 352; and/or consult with your advisor. ~~2~~ ~~ENTOM 343 can be taken as an alternative to ENTOM 340.~~ 2 CROP_SCI/HORT Elective (3 credits): CROP_SCI 302; HORT 231, 232, 331; and/or consult with your advisor. 3 AGTM Elective (3 credits): AGTM 310, 314, 416; and/or consult with your advisor.	
Integrated Plant Sciences Revise graduation requirements in Viticulture and Enology	**Viticulture and Enology(120 Hours)** The Viticulture and Enology major was created for students interested in wine-grape growing and winemaking, as well as contributing to critical research and development opportunities in the wine industry. This program offers the technical, scientific, and practical experience needed to gain the essential skills for producing high quality grapes and premium table wines. It prepares students for successful careers in the wine industry in Washington and beyond. **First Year** ***First Term*** ***Hours*** CHEM 101 [PSCI] or 105 [PSCI] 4 COM 102 [COMM] or H D 205 [COMM] 3 or 4 ~~ENGLISH 101 [WRTG]~~ ~~3~~ HISTORY 105 [ROOT] 3 HORT/ CROP SCI 102 3 ~~MATH 140 [QUAN]~~ ~~4~~ ***Second Term*** ***Hours*** ~~BIOLOGY 106 [BSCI]~~ ~~4~~ CHEM 102 or 106 4 ENGLISH 101 [WRTG] 3 ~~H D 205 [COMM] or COM 102 [COMM]~~ ~~3 or 4~~ HORT/ CROP SCI 202 4 Humanities [HUM] 3 **Second Year** ***First Term*** ***Hours*** BIOLOGY 106 [BSCI] or 120 [BSCI]~~or 107~~ 4 CHEM 345 4 ~~Creative & Professional Arts [ARTS]~~ ~~3~~ ECONS 101 [SSCI] or 102 [SSCI] 3 VIT ENOL 113 3	**8-14**

Electives		3
Second Term		***Hours***
BIOLOGY 107		4
Creative & Professional Arts [ARTS]		3
~~ANTH 203 [DIVR], or~~ Diversity [DIVR]		3
~~ECONS 101 [SSCI] or 102 [SSCI]~~		~~3~~
~~Humanities [HUM]~~		~~3~~
SOIL SCI 201		3
STAT 212 [QUAN]		4
Complete Writing Portfolio		
Third Year		
First Term		***Hours***
BIOLOGY 420 ~~320, or BIOLOGY 318 and 319~~		~~4~~3
ENTOM 343 [M]		3
MBIOS 303		4
PL P 300[1]		2
VIT ENOL 313		3
~~Elective~~		~~1~~
Second Term		***Hours***
ENTOM 351 ~~340~~[1]		3
IPM 452[2]		2
MBIOS 305		3
Specialization Electives[2]		3
VIT ENOL 413		3
~~Electives~~		~~3~~
Third Term		***Hours***
(Summer Session) VIT ENOL 399 or 496		2
Fourth Year		
First Term		***Hours***
HORT 418 [M]		3
Specialization Electives[3][2]		~~6~~3
VIT ENOL 326		3
VIT ENOL 409		1
VIT ENOL 465		3
Second Term		***Hours***
HORT 416		3
HORT 425 [M] [CAPS]		3
Specialization Electives[3][2]		3
VIT ENOL 422		3

	VIT ENOL 435 ~~or 488~~ 3 **Footnotes** [1] ~~ENTOM 343 can be taken as an alternative to ENTOM 340.~~ [1] PL P 429 can be taken as an alternative, but PL P 300 is recommended for this major. [2] ~~IPM 201 can be taken as an alternative to IPM 452.~~ [2] Specialization Electives (9 credits): AGTM 315; BIOLOGY 421; CHEM 220/222; CROP SCI 305, 403; ECONS 351; ENVR SCI 486; any FS including 303 [M], 416, 423, 460, 462, 470; GEOLOGY 322, 323; HBM 350, 358, 480; any HORT including 251, 421 [M], 495, 499; MATH 140; MBIOS 301, 306; MKTG 360; PHYSICS 101; SOIL SCI 374, 414, 415, 441, 442, 468; VIT ENOL 466; and/or consult with your advisor. [3] ~~Specialization Electives for V&E Major - (Choose a minimum of 12 credits, including one [M] from the following lists, advisor approval required) - VIT ENOL, FS, and HORT Electives: VIT ENOL 435, 466, 488, FS 303 [M], 416, 460, 462, 470, HORT 251, 322, 418 [M], or 421 [M]. - Other Electives: AGTM 315, 433 [M], CHEM 220/222, CROP SCI 305, 403 [M], ECONS 351, ENVR SCI 486, GEOLOGY 322, 323, HBM 350, MBIOS 301, 306, MKTG 360, SOIL SCI 301 [M], 345, 374, 414, 415, 421, 441, 442, or 468.~~	
Speech and Hearing Sciences Revise graduation requirements in BA in Speech and Hearing Sciences	**Speech and Hearing Sciences(~~121~~ 120 Hours)** Certification Requirements: Given the rigorous nature of the coursework and the need to prepare students for work in a pre-professional role or to prepare them for the competitive demands of applying to graduate school in the discipline, students must meet the following minimum requirements to be eligible to certify a major in Speech and Hearing Sciences: 1) Have earned a minimum of 24 credits of undergraduate credits; 2)Have taken, or currently enrolled in, SHS 205, Introduction to Speech-Language Pathology & Audiology; 3)minimum cumulative GPA of 2.75. At least 45 of the total hours required for the bachelor's degree in this program must be in 300-400-level courses. Successful completion of SHS 473 and 478 fulfills the university requirement of two writing in the major courses, designated [M]. The Speech and Hearing Sciences Department provides preparation for professional (graduate) training as a speech-language pathologist or audiologist. This course sequence is based on fall enrollment. UCOREs must be completed prior to the fifth semester. **First Year** ***First Term*** ***Hours*** ~~Biological Sciences [BSCI] or SCIENCE 101 [SCI]~~[1] ~~3 or 4~~ BIOLOGY 106 [BSCI] or BIOLOGY 102 [BSCI] 4 Communication [COMM] or Written Communication [WRTG] 3 Diversity [DIVR] 3 ~~ENGLISH 101 [WRTG]~~ ~~3~~ HISTORY 105 [ROOT] 3 PSYCH 105 [SSCI] 3	**8-14**

~~Electives~~	~~3~~
Second Term	***Hours***
~~Communication [COMM] or Written Communication [WRTG]~~	~~3~~
Creative & Professional Arts [ARTS]	3
ENGLISH 101 [WRTG]	3
PHYSICS 101 [PSCI] or CHEM 101 [PSCI]	4
SHS Elective[~~2~~1]	3
~~STAT 212 [QUAN]~~	~~4~~
~~Electives~~	~~3~~
Second Year	
First Term	***Hours***
~~Diversity [DIVR]~~	~~3~~
~~Physical Sciences [PSCI] or SCIENCE 102 [SCI]~~[~~1~~]	~~4 or 3~~
SHS 205	3
SHS Electives[~~2~~1]	6
STAT 212 [QUAN]	4
Electives	3
Second Term	***Hours***
Humanities [HUM]	3
SHS Electives[~~2~~1]	6
Electives	6
Complete Writing Portfolio	
Third Year	
First Term	***Hours***
~~SHS 205~~	~~3~~
SHS 371	3
SHS 372	3
SHS 375	3
SHS 377	3
Electives	3
Second Term	***Hours***
~~Integrative Capstone [CAPS]~~	~~3~~
SHS 376	3
SHS 378	3
SHS 472	3
SHS 478	3
Electives	3
Fourth Year	

First Term	*Hours*
SHS 201	4
SHS 471	~~3~~2
SHS 477	3
SHS 479	3
SHS 482 [M]	3
Second Term	***Hours***
SHS 202	4
SHS 451	3
SHS 461	2
SHS 473 [M]	3
SHS 480 [CAPS]	~~1~~3

Footnotes

~~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].~~

1 SHS electives (15 credits required) include any course 200-level or above, in consultation with your advisor, that will support a good foundation in speech-language pathology or audiology.

~~2~~ ~~Highly recommended electives include: ACCTG 230, 231; ANTH 405, 450; BIOLOGY; CHEM; CPT S; ENGLISH 255, 256, 402; FOR LANG; H D; MGTOP 101, 301; PHYSICS; PSYCH 311, 312, 321, 333, 361, 363, 372, 384, 390, 412, 464, 490; SHS 460, 490; SOC 356; SPEC ED 301; STAT 212; TCH LRN 330, 333; WOMEN ST 220; and others in consultation with your advisor.~~