UNDERGRADUATE AND PROFESSIONAL MAJOR CHANGE BULLETIN NO. 9 ADDENDUM 1

Spring 2022

---REQUIREMENTS---

The courses listed below reflect the undergraduate major curricular changes approved by the Catalog Subcommittee since approval of the last Undergraduate Major Change Bulletin. All new and revised courses are printed in their entirety under the headings Current and Proposed, respectively. The column to the far right indicates the date each change becomes effective. Note: Items marked **{S}** have been streamlined and do not require Catalog Subcommittee review.

Department	Proposed	Effective Date
Agricultural and Food Systems New minor: Agricultural Technology and Production Management	**Agriculture Technology and Production Management** The Agricultural Technology and Production Management minor is composed of a minimum of 18 credits, 9 of which must be upper-division courses taken in residence at WSU or through WSU-approved education abroad or educational exchange courses. Course that may apply to the Agriculture and Production Management minor include: AFS 201; AGTM 305, 314, 315, 330, 405, 412, 416, 495; CROP SCI/HORT 102; and SOIL SCI 201. Students majoring in Agricultural Technology and Production Management are not eligible to declare a minor in Agricultural Technology.	**8-22**
Agricultural and Food Systems New minor: Precision Agriculture Minor	**Precision Agriculture** The Precision Agricultural minor is composed of a minimum of 18 credits, 9 of which must be upper-division courses taken in residence at WSU or through WSU-approved education abroad or educational exchange courses. Required courses include CROP SCI/HORT 102, SOIL SCI 201, and one from CROP SCI/HORT 202; CROP SCI 403; SOIL SCI 302, 414/415, 441. The Precision Agriculture minor also requires 9 credits from the following technical courses AGTM 305, 315, 405, 495; SOIL SCI 368, 374, 468.	**8-22**
Apparel, Merchandising, Design & Textiles Revise graduation requirements for BA in AMDT - Apparel Design	**Apparel Design (120 Credits)** Apparel design focuses on the interaction between design and merchandising and offers depth in apparel design. Students are admitted to the apparel design option upon making their intention known to the department. Students seeking to remain admitted to the apparel design option are accepted through a portfolio review process. Applications are available in the Academic Coordinator's office and must to be submitted during the spring semester of the second year. Transfer students who have completed two years of college may submit an application during the summer prior to the first semester of attendance at WSU for consideration.	**8-22**

Students who major in Apparel, Merchandising, Design, and Textiles must have a minimum 2.0 cumulative GPA and receive a C or better grade in all AMDT courses. A course may only be repeated once. Courses required in these programs cannot be taken on a pass, fail basis.

First Year

First Term	***Credits***
AMDT 105	1
AMDT 108	3
Biological Sciences [BSCI]	3
HISTORY 105 [ROOT]	3
Quantitative Reasoning [QUAN]	3

Second Term	***Credits***
AMDT 268	3
ENGLISH 101 [WRTG]	3
H D 205 [COMM]	4
Humanities [HUM]	3
Electives	4

Second Year

First Term	***Credits***
AMDT 210 [PSCI]	4
AMDT 211	3
AMDT 220	3
Arts [ARTS]	3
ECONS 101 [SSCI]	3

Second Term	***Credits***
AMDT 212	3
AMDT 221	3
AMDT 250	3
AMDT 311	3
Electives	3
Complete Writing Portfolio	

Third Year

First Term	***Credits***
AMDT 310	4
AMDT 314	3
AMDT 315 [M]	3
AMDT 318	3

	AMDT 488 1 ***Second Term*** ***Credits*** AMDT 308 3 AMDT 312 3 AMDT 317 [DIVR] [M] 3 AMDT 492 3 AMDT Electives[1] 3 ~~Electives~~ ~~3~~ ***Third Term*** ***Credits*** AMDT 490 3 **Fourth Year** ***First Term*** ***Credits*** AMDT 409 3 AMDT 411 3 ~~AMDT 417 [DIVR] [M]~~ ~~3~~ AMDT Electives[1] 3 Electives ~~3~~6 ***Second Term*** ***Credits*** AMDT 412 3 AMDT 413 [CAPS] 3 AMDT Electives [1] 3 Electives 3 **Footnotes** [1] AMDT Electives (9 credits): Any AMDT course not used to fulfill major requirements or as approved by advisor.	
Apparel, Merchandising, Design & Textiles Revise graduation requirements for BA in AMDT - Merchandising	**Merchandising (120 Credits)** Merchandising includes courses designed to allow students to develop competence in the planning, buying, and selling of merchandise in either manufacturing or retail organizations. Curriculum includes a focus on marketing. Students often pursue one of the minors in Business. Students are admitted to the merchandising option upon making their intention known to the department. Students who major in Apparel, Merchandising, Design, and Textiles must have a minimum 2.0 cumulative GPA and receive a C or better grade in all AMDT courses and the business industry elective. A course may only be	**8-22**

repeated once. Courses required in these programs cannot be taken on a pass, fail basis.

First Year

First Term	***Credits***
AMDT 105	1
AMDT 108	3
ENGLISH 101 [WRTG]	3
Quantitative Reasoning [QUAN]	3
Electives	3

Second Term	***Credits***
AMDT 221	3
H D 205 [COMM]	4
HISTORY 105 [ROOT]	3
Humanities [HUM]	3
Electives	3

Second Year

First Term	***Credits***
AMDT 268	3
Arts [ARTS]	3
Biological Sciences [BSCI]	3
ECONS 101 [SSCI]	3
Electives	4

Second Term	***Credits***
~~ACCTG 230~~	~~3~~
ACCTG 220	3
AMDT 210 [PSCI]	4
AMDT 212	3
AMDT 250	3
Electives	3
Complete Writing Portfolio	

Third Year

First Term	***Credits***
AMDT 314	3
AMDT 318	3
AMDT 488	1
Electives[1]	6

	Second Term ***Credits*** AMDT 307 3 AMDT 308 3 AMDT Electives[1,2] 3 Business Industry Elective[3] 3 Electives[1] 3 ***Third Term*** ***Credits*** AMDT 490 3 **Fourth Year** ***First Term*** ***Credits*** ~~AMDT 417 [DIVR] [M]~~ ~~3~~ AMDT 317 [DIVR] [M] 3 AMDT 430 3 AMDT 435 3 AMDT Electives[1,2] 3 Electives 3 ***Second Term*** ***Credits*** AMDT 413 [CAPS] 3 AMDT 450 [M] 3 AMDT Electives 3 Electives[1] 4 **Footnotes** [1] AMDT and general electives should include sufficient 300-400-level coursework to meet University requirement of 40 upper-division credits. [2] AMDT Electives (9 credits): Any AMDT course not used to fulfill major requirements or as approved by advisor. [3] Business Industry Elective: B LAW 210; ECONS 321, 326, 352, 430; H D 320 [M]; MGMT 301, 315; MIS 250; PHIL 360.	
Electrical Engineering and Computer Science New undergraduate certificate: CySER CAE-CO Certificate	**CySER CAE-CO Fundamentals Certificate** Students participating in the CySER CAE-CO Fundamentals Certificate will receive in-depth and wide-ranging training that integrates cybersecurity research and education with professional skills in teamwork, communication, leadership, and lifelong learning. A core principle in this certificate is training that organically merges theoretical knowledge with experiential learning in cyber operations and cyber defense. The certificate requires CPT S 327, 427, 428 and four elective courses from: CPT S 415, 443, 455, 460, 464, 466, 475, 478, 489; E E 334, 434, 489; or MIS 374. Additionally, students will:	**8-22**

	• Complete the Senior Design course sequence (CPT S 421 and 423) with a project focused on cybersecurity • Complete an internship with a cybersecurity-related experience • Demonstrate involvement in CySER research (realized via class projects, senior design projects, independent study) • Attend the CySER summer workshop • Attend CySER seminars (at least 60% of the bi-weekly seminars in a semester) • Recommend at least four credits of foreign language or demonstrate equivalent proficiency in Russian, Chinese, Korean, Arabic, or Persian	
Horticulture Revise graduation requirements for BS in Viticulture and Enology	**BS in Viticulture and Enology (120 Credits)** The BS in Viticulture and Enology prepares students for successful careers in the wine industry in Washington and beyond. A WSU Tri Cities student may be admitted to the Viticulture and Enology degree program upon making their intention known to the department. Pullman students may work with a V&E advisor, and begin taking courses, but require acceptance to WSU Tri Cities before admission to the major is granted. **First Year** ***First Term*** ***Credits*** CHEM 101 [PSCI] or 105 [PSCI] 4 ECONS 101 [SSCI] or 102 [SSCI] 3 HISTORY 105 [ROOT] 3 ~~HORT / CROP SCI 102~~ ~~3~~ MATH 103 or 106[1] 3 VIT ENOL 113 3 ***Second Term*** ***Credits*** CHEM 102 or 106 4 ENGLISH 101 [WRTG] 3 ~~HORT / CROP SCI 202~~ ~~4~~ SOIL SCI 201 3 STAT 212 [QUAN] 4 **Second Year** ***First Term*** ***Credits*** BIOLOGY ~~106 [BSCI]~~ or 120 [BSCI] 4 CHEM 345 4	**8-22**

Communication [COMM] (COM 102 [COMM] or H D 205 [COMM] recommended)	3 or 4	
~~ECONS 101 [SSCI] or 102 [SSCI]~~	~~3~~	
Electives	3	
Second Term	***Credits***	
Arts [ARTS]	3	
BIOLOGY 107	4	
Diversity [DIVR]	3	
Humanities [HUM]	3	
~~SOIL SCI 201~~	~~3~~	
Complete Writing Portfolio		
Third Year		
First Term	***Credits***	
BIOLOGY 420	3	
ENTOM 343 [M]	3	
HORT/VIT ENOL 313	3	
MBIOS 101~~1~~2	4	
PL P 300~~2~~3	2	
Second Term	***Credits***	
ENTOM 351	3	
HORT/VIT ENOL 413	3	
MBIOS 303 or CHEM 370	4-3	
Specialization Electives~~3~~4	3	
Electives	3	
Third Term	***Credits***	
(Summer Session) HORT/VIT ENOL 399, ~~or~~ FS/VIT ENOL 496, or FS 401	2	
Fourth Year		
First Term	***Credits***	
FS/VIT ENOL 465	3	
HORT 418 [M]	3	
HORT/VIT ENOL 409	1	
HORT/VIT ENOL 435	3	
Specialization Electives~~3~~4	3	
Electives	2-3	

	Second Term ***Credits*** ~~FS/VIT ENOL 422~~ ~~3~~ HORT 416~~4~~5 3 ~~HORT 433 [CAPS] [M]~~ ~~3~~ VIT ENOL 422 3 VIT ENOL 433 [CAPS] [M] 3 VIT ENOL/HORT 440 3 Specialization Electives~~3~~4 3 **Footnotes** 1 MATH 106 is recommended. ~~1~~2 MBIOS 305 can be taken as an alternative to MBIOS 101. ~~2~~3 PL P 429 can be taken as an alternative, but PL P 300 is recommended. PL P 300 is offered Even Years – Fall. ~~3~~4 Specialization Electives (9 credits): Approved courses include HBM 350, 358; HORT 102*, 202*, 310, 320, 421, 495, 499; MATH 106*, 140; MBIOS 301, 306; MKTG 360; PHYSICS 101; SOE 322; SOIL SCI 302 [M], 374, 441, 468, or as approved by advisor. *Recommended. ~~4~~5 CROP SCI 411 [M] can be taken in the fall as an alternative to HORT 416.	
Management, Information Systems, and Entrepreneurship New undergraduate certificate: CySER Basics Certificate	**CySER Basics Certificate** Students participating in the CySER Basics Certificate will receive wide-ranging training that integrates cybersecurity research and education with professional skills in teamwork, communication, leadership, and lifelong learning. A core principle in this certificate is training that organically merges theoretical knowledge with experiential learning. This certificate is targeted for undergraduate students from any major. One course may be completed at the University of Idaho. The certificate requires: • CPT S 111 or CPT S 121 • MIS 372 or CYB 110 (a cooperative course offered at University of Idaho) • MIS 374 or CYB 310 (a cooperative course offered at University of Idaho) • MIS 499 (with a cybersecurity project) or CPT S 421 and CPT S 423 Additionally, students will: • Participate in three internship credits (MIS 498; or CPT S 488 and ENGR 489) with a cybersecurity-related experience; or complete at least four credits of foreign language or demonstrate equivalent proficiency in Russian, Chinese, Korean, Arabic, or Persian • Demonstrate involvement in CySER research (realized via class projects, senior design projects, independent study) • Attend the CySER summer workshop • Attend CySER seminars (at least 40% of the bi-weekly seminars in a semester)	**8-22**