

**UNDERGRADUATE AND PROFESSIONAL MAJOR CHANGE BULLETIN NO. 2**  
**Fall 2021**

**--REQUIREMENTS--**

The requirements listed below reflect the undergraduate major curricular changes approved by the Catalog Subcommittee since approval of the last Undergraduate Major Change Bulletin. All changes are underlined. Deletions are crossed out. The column to the far right indicates the date each change becomes effective. Note: Items marked {S} have been streamlined and do not require Catalog Subcommittee review.

Department	Proposed	Effective Date																																		
<p><b>{S} Agricultural and Food Systems</b>                      Revise graduation requirements for Bachelor of Science in Agricultural and Food Systems - Agricultural and Food Business Economics</p>	<p><b>Agricultural and Food Business Economics (120 Credits)</b></p> <p>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.</p> <p>A student may be admitted to the Agricultural and Food Business Economics major upon making their intention known to the department.</p> <p><b>First Year</b></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>Credits</i></th> </tr> </thead> <tbody> <tr> <td>ANIM SCI 101</td> <td style="text-align: right;">3</td> </tr> <tr> <td>ECONS 101 [SSCI] or 102 [SSCI]</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>HORT / CROP SCI 102</td> <td style="text-align: right;">3</td> </tr> <tr> <td>MATH 201<sup>1</sup></td> <td style="text-align: right;">3</td> </tr> <tr> <td colspan="2"> </td> </tr> <tr> <th style="text-align: left;"><i>Second Term</i></th> <th style="text-align: right;"><i>Credits</i></th> </tr> <tr> <td>[COMM] Course (COM 102 [COMM] or H D 205 [COMM] recommended)</td> <td style="text-align: right;">3 or 4</td> </tr> <tr> <td>ECONS 101 or 102</td> <td style="text-align: right;">3</td> </tr> <tr> <td>ENGLISH 101 [WRTG]</td> <td style="text-align: right;">3</td> </tr> <tr> <td>Humanities [HUM]</td> <td style="text-align: right;">3</td> </tr> <tr> <td>MATH 202 [QUAN]<sup>1</sup></td> <td style="text-align: right;">3</td> </tr> <tr> <td colspan="2"> </td> </tr> <tr> <td colspan="2"><b>Second Year</b></td> </tr> <tr> <th style="text-align: left;"><i>First Term</i></th> <th style="text-align: right;"><i>Credits</i></th> </tr> <tr> <td>AFS 201</td> <td style="text-align: right;">3</td> </tr> </tbody> </table>	<i>First Term</i>	<i>Credits</i>	ANIM SCI 101	3	ECONS 101 [SSCI] or 102 [SSCI]	3	HISTORY 105 [ROOT]	3	HORT / CROP SCI 102	3	MATH 201 <sup>1</sup>	3	 		<i>Second Term</i>	<i>Credits</i>	[COMM] Course (COM 102 [COMM] or H D 205 [COMM] recommended)	3 or 4	ECONS 101 or 102	3	ENGLISH 101 [WRTG]	3	Humanities [HUM]	3	MATH 202 [QUAN] <sup>1</sup>	3	 		<b>Second Year</b>		<i>First Term</i>	<i>Credits</i>	AFS 201	3	<p><b>8-22</b></p>
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CHEM 101 [PSCI] or 105 [PSCI]	4
Diversity [DIVR]	3
STAT 212 or MGTOP 215	4
Electives	3
<b><i>Second Term</i></b>	<b><i>Credits</i></b>
ACCTG <u>220</u> or 230	3
Arts [ARTS]	3
CHEM 102 or 106	4
SOIL SCI 201 [BSCI]	3
Complete Writing Portfolio	
<b>Third Year</b>	
<b><i>First Term</i></b>	<b><i>Credits</i></b>
AFS Core Systems Elective <sup>2</sup>	3
BIOLOGY 120	4
ECONS 301	3
ECONS 350 <sup>3</sup>	3
Electives	3
<b><i>Second Term</i></b>	<b><i>Credits</i></b>
BIOLOGY 106	4
ECONS 302	3
ECONS 311 [M]	3
ECONS 335	3
Electives	3
<b>Fourth Year</b>	
<b><i>First Term</i></b>	<b><i>Credits</i></b>
300-400-level Electives	6
CROP SCI 360	3
ECONS 452 [M]	3
<b><i>Second Term</i></b>	<b><i>Credits</i></b>
300-400-level Electives	3
AFS 401 [CAPS]	3
ECONS 450 [M] or 453	3
ECONS 451	3
Electives	4
<b>Footnotes</b>	
<sup>1</sup> An alternative to MATH 201 is MATH 106, 172, or 220. An alternative to MATH 202 is MATH 171.	

	<p><sup>2</sup> AFS Core Systems Electives: AGTM 310, ANIM SCI 464 [M], 472 [M], 474 [M], BIOLOGY 372 [M], CROP SCI 302, ECONS 351, HORT 320, SOE 300, SOIL SCI 368, or other systems courses approved by your advisor.</p> <p><sup>3</sup> ECONS 352, which is only offered in the spring, may be used as an alternative for ECONS 350.</p>																																													
<p><b>{S} Economic Sciences</b> Revise graduation requirements for Bachelor of Science in Economic Sciences - Business Economics</p>	<p><b>Business Economics (120 Credits)</b></p> <p>Students are admitted to the Business Economics option upon making their intention known to the department. Admitted students must meet the following two benchmarks to remain in good standing:</p> <ol style="list-style-type: none"> <li>1. Minimum WSU Cumulative GPA of 2.0.</li> <li>2. Cumulative GPA of 2.0 or higher in ECONS 301 or 305, 302, and 311.</li> </ol> <p><b>First Year</b></p> <table data-bbox="492 722 1385 982"> <thead> <tr> <th><i>First Term</i></th> <th><i>Credits</i></th> </tr> </thead> <tbody> <tr> <td>Biological Sciences [BSCI] or Physical Sciences [PSCI]<sup>1</sup></td> <td>3</td> </tr> <tr> <td>ECONS 101 [SSCI] or 102 [SSCI]</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>MATH 201<sup>2</sup></td> <td>3</td> </tr> </tbody> </table> <p><b>Second Term</b></p> <table data-bbox="492 1010 1385 1304"> <thead> <tr> <th><i>Second Term</i></th> <th><i>Credits</i></th> </tr> </thead> <tbody> <tr> <td>Biological Sciences [BSCI] or Physical Sciences [PSCI] (with lab)<sup>1</sup></td> <td>4</td> </tr> <tr> <td>ECONS 101 or 102</td> <td>3</td> </tr> <tr> <td>ENGLISH 101 [WRTG]</td> <td>3</td> </tr> <tr> <td>MATH 202 [QUAN]<sup>3</sup></td> <td>3</td> </tr> <tr> <td>Electives</td> <td>2</td> </tr> </tbody> </table> <p><b>Second Year</b></p> <table data-bbox="492 1402 1385 1654"> <thead> <tr> <th><i>First Term</i></th> <th><i>Credits</i></th> </tr> </thead> <tbody> <tr> <td>COM 102 [COMM], COM 210 [COMM], or H D 205 [COMM]</td> <td>3 or 4</td> </tr> <tr> <td>Diversity [DIVR]</td> <td>3</td> </tr> <tr> <td>ECONS 301 or 305</td> <td>3 or 4</td> </tr> <tr> <td>Electives</td> <td>6</td> </tr> </tbody> </table> <table data-bbox="492 1682 1385 1892"> <thead> <tr> <th><i>Second Term</i></th> <th><i>Credits</i></th> </tr> </thead> <tbody> <tr> <td>300-400-level ECONS Elective<sup>4</sup></td> <td>3</td> </tr> <tr> <td>Arts [ARTS]</td> <td>3</td> </tr> <tr> <td>ECONS 302</td> <td>3</td> </tr> <tr> <td>STAT 212 or MGTOP 215</td> <td>4</td> </tr> </tbody> </table>	<i>First Term</i>	<i>Credits</i>	Biological Sciences [BSCI] or Physical Sciences [PSCI] <sup>1</sup>	3	ECONS 101 [SSCI] or 102 [SSCI]	3	HISTORY 105 [ROOT]	3	Humanities [HUM]	3	MATH 201 <sup>2</sup>	3	<i>Second Term</i>	<i>Credits</i>	Biological Sciences [BSCI] or Physical Sciences [PSCI] (with lab) <sup>1</sup>	4	ECONS 101 or 102	3	ENGLISH 101 [WRTG]	3	MATH 202 [QUAN] <sup>3</sup>	3	Electives	2	<i>First Term</i>	<i>Credits</i>	COM 102 [COMM], COM 210 [COMM], or H D 205 [COMM]	3 or 4	Diversity [DIVR]	3	ECONS 301 or 305	3 or 4	Electives	6	<i>Second Term</i>	<i>Credits</i>	300-400-level ECONS Elective <sup>4</sup>	3	Arts [ARTS]	3	ECONS 302	3	STAT 212 or MGTOP 215	4	<p><b>8-22</b></p>
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Electives	2
Complete Writing Portfolio	
<b>Third Year</b>	
<b><i>First Term</i></b>	<b><i>Credits</i></b>
300-400-level ECONS Elective <sup>4</sup>	3
ACCTG <u>220</u> or 230	3
ECONS 311 [M]	3
ECONS 323	3
Electives	3
<b><i>Second Term</i></b>	<b><i>Credits</i></b>
400-level ECONS Elective <sup>4</sup>	3
ECONS 320	3
ECONS 335	3
ECONS 352	3
Concentrated Area Course <sup>5</sup>	3
<b>Fourth Year</b>	
<b><i>First Term</i></b>	<b><i>Credits</i></b>
ECONS 452 [M]	3
ECONS 483, 495, 497, 499, or HONORS 450 <sup>6</sup>	3
ENGLISH 301, 402 [M], or 403 [M]	3
Concentrated Area Course <sup>5</sup>	3
Electives	3
<b><i>Second Term</i></b>	<b><i>Credits</i></b>
400-level ECONS Elective <sup>4</sup>	3
ECONS 425	3
ECONS 490 [CAPS] [M]	3
Concentrated Area Course <sup>5</sup>	3
Electives	3
<b>Footnotes</b>	
<sup>1</sup> For a total of 7 credits—one Biological Sciences [BSCI] and one Physical Sciences [PSCI] course, including one lab course.	
<sup>2</sup> MATH 201 will be waived with an ALEKS score of 80% or higher, or the completion of MATH 202 or equivalent. Alternative to MATH 201 is MATH 106, 172, or 220.	
<sup>3</sup> Alternative to MATH 202 is MATH 171.	
<sup>4</sup> ECONS courses not used to fulfill major requirement.	
<sup>5</sup> Concentrated Area Courses - Completion of three courses from one of the following concentration areas: (1) Agribusiness: ECONS 351, 426, 451; (2) Marketing and Analytics: MKTG 360, two 300-400-level MKTG courses (6 credits); (3) Management: MGMT 301, two 300-400-level MGMT courses (6 credits); (4) Supply Chain Management: ECONS 426, MGTOP 340, 452.	

<b>Food Science</b> Revise graduation requirements for Bachelor of Science in Food Science - Fermentation Science Option	<b>Food Science – Fermentation Science Option (120 Credits)</b>	<b>8-21</b>
	<b>First Year</b>	
	<i><b>First Term</b></i>	<i><b>Credits</b></i>
	Arts [ARTS]	3
	CHEM 105 [PSCI]	4
	ENGLISH 101 [WRTG] or 105 [WRTG]	3
	<u>FS 110 or 201</u>	<u>3</u>
	VIT ENOL 113	3
	<i><b>Second Term</b></i>	<i><b>Credits</b></i>
	BIOLOGY 107 [BSCI]	4
	CHEM 106	4
	HISTORY 105 [ROOT]	3
	MATH 140 [QUAN] or MATH 171 [QUAN]	4
	<b>Second Year</b>	
	<i><b>First Term</b></i>	<i><b>Credits</b></i>
	CHEM 345	4
	COM 102 [COMM] or H D 205 [COMM]	3 or 4
	PHYSICS 101	3
	PHYSICS 111	1
	STAT 212	4
	<i><b>Second Term</b></i>	<i><b>Credits</b></i>
	CHEM 370 or MBIOS 303	3 or 4
	FS 220	3
	FS 304	3
	MBIOS 101, or MBIOS 304 and 305	4 or 6
	Complete Writing Portfolio	
	<b>Third Year</b>	
	<i><b>First Term</b></i>	<i><b>Credits</b></i>
	FS / PL P 301	3
	FS 302 [M]	1
	FS 303	3
	Microbiology/Genetics Elective <sup>1</sup>	3
	Social Sciences [SSCI]	3
	Option Elective <sup>2</sup>	3
	<i><b>Second Term</b></i>	<i><b>Credits</b></i>

	Diversity [DIVR] 3 <u>FS 350</u> <u>5</u> FS 418 1 <del>FS 422</del> <del>3</del> Humanities [HUM] 3 Laboratory Elective <sup>3</sup> 2 Option Elective <sup>2</sup> 3  <b>Third Term</b> <b>Credits</b> Summer Session: FS 495 or 496 2  <b>Fourth Year</b>  <b>First Term</b> <b>Credits</b> FS 429 3 FS 460 <sup>4</sup> 3 FS 465 3 Laboratory Elective <sup>3</sup> 2 MKTG 360 3 Electives <sup>5</sup> <u>2</u>  <b>Second Term</b> <b>Credits</b> FS 402 3 FS 405 3 Integrative Capstone [CAPS] <sup>6</sup> 3 Electives <sup>5</sup> <u>6</u> <u>3</u>	
	<b>Footnotes</b> <sup>1</sup> Microbiology/Genetics Elective (3 <del>hours</del> <u>credits</u> minimum): BIOLOGY/MBIOS 301, FS 416, MBIOS 450. <sup>2</sup> Option Electives (6 <del>hours</del> <u>credits</u> minimum): BIO ENG 350, FS 329, 432 and 433, 470, HBM 350. <sup>3</sup> Laboratory Electives (4 <del>hours</del> <u>credits</u> minimum): FS 417, <del>422</del> , 430, 461[M], 466. <sup>4</sup> HORT/VIT ENOL 435 can be substituted per advisor approval. <sup>5</sup> Electives may need to include [M] course to meet the University requirement of two Writing in the Major [M] courses. ENGLISH 402 [M] is recommended to fulfill this requirement. Students are encouraged to take these credits within the FS prefix for career preparation. <sup>6</sup> FS 489 [CAPS] is recommended, but requires FS 416 and 460 as prerequisites.	
<b>History</b> Revise graduation requirements for Bachelor of Arts in History - Pre-Law Option	<b>History - Pre-Law Option (120 Credits)</b> 36 credits in history are required including 6 credits of US history, 6 credits of European history, and 9 credits of Non-Western/Global history; 12 credits of 100-200-level HISTORY; 3 credits of additional HISTORY; 21 credits of 300-400-level, which must include HISTORY 300 and 469. Included in the program of study below are 30 credits of courses in communication, social sciences and	<b>8-22</b>

humanities, economics and business that are valuable preparation for study of the law. In addition to these requirements, students are urged to elect, in consultation with their advisor, courses that complement the curriculum's broad based liberal arts education.

To be admitted to the History Pre-Law option, a student must make their intention known to the department and have earned at least a 2.5 cumulative GPA.

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

It is assumed that prior to the junior year that students will have completed courses meeting UCORE and College of Arts and Sciences requirements for graduation.

### **First Year**

<i>First Term</i>	<i>Credits</i>
Biological Sciences [BSCI] with lab <sup>1</sup>	4
COM 102 [COMM]	3
ENGLISH 101 [WRTG]	3
Humanities [HUM]	3
Quantitative Reasoning [QUAN]	3 or 4

<i>Second Term</i>	<i>Credits</i>
ANTH 101 [DIVR]	3
Arts [ARTS]	3
HISTORY 105 [ROOT]	3
Physical Sciences [PSCI] with lab <sup>1</sup>	4
PSYCH 105 [SSCI]	3

### **Second Year**

<i>First Term</i>	<i>Credits</i>
SOC 101	3
Pre-Law Option	3
Electives	4
HISTORY Electives <sup>2</sup>	6

<i>Second Term</i>	<i>Credits</i>
Pre-Law Option <sup>3</sup>	6
Foreign Language, if needed, or Elective	3 or 4
HISTORY Electives <sup>2</sup>	6
Complete Writing Portfolio	

<b>Third Year</b>	
<b><i>First Term</i></b>	<b><i>Credits</i></b>
HISTORY 300 [M]	3
Pre-Law Option <sup>3</sup>	6
Foreign Language, if needed, or Elective	3 or 4
HISTORY Elective <sup>2</sup>	3
<b><i>Second Term</i></b>	<b><i>Credits</i></b>
Pre-Law Option <sup>3</sup>	3
HISTORY Electives <sup>2</sup>	6
300-400-level Electives	6
<b>Fourth Year</b>	
<b><i>First Term</i></b>	<b><i>Credits</i></b>
300-400-level Pre-Law Option <sup>3</sup>	3
HISTORY Electives <sup>2</sup>	6
300-400-level Electives	6
<b><i>Second Term</i></b>	<b><i>Credits</i></b>
HISTORY 469 [M]	3
Integrative Capstone [CAPS]	3
HISTORY Elective <sup>2</sup>	3
300-400-level Electives	3
Complete History Department's Exit Survey	
<b>Footnotes</b>	
<sup>1</sup> To meet University and College of Arts and Sciences requirements, students must take a [BSCI] course with lab and [PSCI] course with lab.	
<sup>2</sup> History Electives – 30 credits required, minimum 15 credits at 300-400 level and one [M] course - must include 6 hours US history (HISTORY 110, 111, 150, 201, 216, 235, 280, 298, 308, 313, 314, 320, 321, 322, 390, 398, 409, 410, 411, 412, 413 [M], 414, 415, 416, 417, 418, 419, 421, 422, 423, 486, or 496), 6 hours European history (HISTORY 101, 102, 340, 341, 342, 350, 381, 382, 386, 440, 441, 444, 445, 447, 448, 449, 450 [M], 453, 454, 455, 459, 462, 463 [M], 467, or 468), 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, or 495).	
<sup>3</sup> Pre-Law requirements (may also fulfill UCORE requirements) – Political Science: POL S 300 and two courses from POL S 101, 102, or 206; Business/Accounting: two courses from ECONS 101, 102, 198, ACCTG <del>230</del> 220, or B LAW 210; Social Sciences/Humanities: one course from PHIL 201, 360, 370, or 470; English: one course from ENGLISH 201, 301 or 402 [M].	