

**UNDERGRADUATE AND PROFESSIONAL MAJOR CHANGE BULLETIN NO. 12  
Spring 2012**

**Faculty Senate Approved April 12, 2012**

**---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.

**In the case of revisions to graduation requirements, the current GER designations are still in place in most schedules of studies. Transition to the new UCORE designations is currently under construction and is expected in early this Spring 2012.**

<b>Dept</b>	<b>Proposed</b>	<b>Effective Date</b>																								
Agricultural and Food Systems, revise graduation requirements in Agricultural Technology and Production Management,	<p><b>Agricultural Technology and Production Management (120 Hours)</b> 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.</p> <p>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.</p> <p><b>First Year</b></p> <table border="0"> <tr> <td><b>First Term</b></td> <td align="right"><b>Hours</b></td> </tr> <tr> <td>A S 101</td> <td align="right">3</td> </tr> <tr> <td>AFS 101</td> <td align="right">3</td> </tr> <tr> <td>Chem 101 [P] (GER)</td> <td align="right">4</td> </tr> <tr> <td>Hort 102</td> <td align="right">3</td> </tr> <tr> <td>Elective or Math 201<sup>4</sup></td> <td align="right">3</td> </tr> <tr> <td><b>Second Term</b></td> <td align="right"><b>Hours</b></td> </tr> <tr> <td>Chem 102 [P] (GER)</td> <td align="right">4</td> </tr> <tr> <td>ComSt 102 [C] or H D 205 [C] (GER)</td> <td align="right">3 or 4</td> </tr> <tr> <td>Engl 101 [W] (GER)</td> <td align="right">3</td> </tr> <tr> <td>GenEd 110 [A] or 111 [A] (GER)</td> <td align="right">3</td> </tr> <tr> <td>State 212 [N], Math 140 [N], 171 [N], or 202 [N] (GER)</td> <td align="right">3 or 4</td> </tr> </table>	<b>First Term</b>	<b>Hours</b>	A S 101	3	AFS 101	3	Chem 101 [P] (GER)	4	Hort 102	3	Elective or Math 201 <sup>4</sup>	3	<b>Second Term</b>	<b>Hours</b>	Chem 102 [P] (GER)	4	ComSt 102 [C] or H D 205 [C] (GER)	3 or 4	Engl 101 [W] (GER)	3	GenEd 110 [A] or 111 [A] (GER)	3	State 212 [N], Math 140 [N], 171 [N], or 202 [N] (GER)	3 or 4	8-12
<b>First Term</b>	<b>Hours</b>																									
A S 101	3																									
AFS 101	3																									
Chem 101 [P] (GER)	4																									
Hort 102	3																									
Elective or Math 201 <sup>4</sup>	3																									
<b>Second Term</b>	<b>Hours</b>																									
Chem 102 [P] (GER)	4																									
ComSt 102 [C] or H D 205 [C] (GER)	3 or 4																									
Engl 101 [W] (GER)	3																									
GenEd 110 [A] or 111 [A] (GER)	3																									
State 212 [N], Math 140 [N], 171 [N], or 202 [N] (GER)	3 or 4																									

<b>Second Year</b>		
<b>First Term</b>	<b>Hours</b>	
Acctg 230 or Elective <sup>1,4</sup>	3	
AgTM 305	3	
AgTM 314	3	
Biol 120 [B] (GER)	4	
GenEd 110 [A] or 111 [A] (GER)	3	
<b>Second Term</b>	<b>Hours</b>	
Arts & Humanities [H,G] (GER) <sup>2</sup>	3	
Biol 106 [B] (GER)	4	
CRS 336 [S]	3	
EconS 101 [S] (GER)	3	
Soils 201 [B] (GER)	3	
Complete Writing Portfolio		
<b>Third Year</b>		
<b>First Term</b>	<b>Hours</b>	
AgTM 330	3	
CropS 305, CropS 403, Entom 340, or Pl P 429	3	
CropS 360 [I] (GER)	3	
EconS 350 <sup>3</sup>	3	
MgtOp 301 or Elective <sup>1,4</sup>	3	
<b>Second Term</b>	<b>Hours</b>	
400-Level Business or Elective <sup>1,4</sup>	3	
AFS 201	3	
AgTM 315	3	
AgTM 412	3	
EconS 450 or Elective <sup>1,4</sup>	3	
<b>Fourth Year</b>		
<b>First Term</b>	<b>Hours</b>	
400-Level Business or Elective <sup>1,4</sup>	3	
AFS Core Systems Elective	3 or 4	
AgTM 451	1	
Mktg 360 or Elective <sup>1,4</sup>	3	
Electives <sup>4</sup>	2	
<b>Second Term</b>	<b>Hours</b>	
400-Level Business or Elective <sup>1,4</sup>	1	
AFS 401 [T] (GER)	3	
AgTM 405	2	
AgTM 416	3	
AgTM 436	2	

	<p>Engl 402 [W] (GER) <span style="float: right;">3</span></p> <hr/> <p><b>Footnotes</b></p> <p><sup>1</sup> Courses required for a Business minor.</p> <p><sup>2</sup> Either the Arts &amp; Humanities [H,G] course or the Tier III [T] course should be double-designated as a Diversity [D] (GER).</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><sup>4</sup> <u>Working with their advisors, students are encouraged to apply electives towards a minor of their choice.</u></p>	
<p>Integrated Plant Sciences, revise departmental description</p>	<p><b>Bachelor of Science in Integrated Plant Sciences</b></p> <p>IPS majors explore the science of plant development and production from the perspectives of a variety of disciplines. All students in the program take a core set of interdisciplinary courses selected specifically to give them a solid foundation on which they can build expertise in a specific discipline.</p> <p>In addition to WSU’s Six Learning Goals of the Baccalaureate, successful IPS graduates also will be able to:</p> <ul style="list-style-type: none"> <li>Understand and put into practice the scientific basis and interdisciplinary nature of plant production and utilization systems</li> <li>Understand and put into practice the growth and development of horticultural and agronomic crop plants, current management practices, and factors that influence aesthetic and end-use quality</li> <li>Understand and put into practice the physiological and biochemical processes that occur during growth, development, maturation, and harvest of crop plants</li> <li>Use the skills, facts, concepts, principles, and research methods from plant and other sciences to participate actively in a wide variety of environmental, scientific and agricultural activities, including research, outreach, education and management</li> <li>Understand and appreciate the importance of horticultural and agronomic crop plants to global society and use this knowledge to contribute to the welfare of global society</li> <li>Clearly and compellingly communicate solutions to local, regional, national, and global problems in writing or orally using appropriate traditional and emerging technological media</li> <li>Understand and appreciate the wide array of professional opportunities in plant sciences.</li> </ul> <p><u>Experiential Education is required in all IPS degrees and can include any one of the following: internship/professional work experience, study abroad, special problems, instructional practicum, or research experience. Please work with your advisor to fulfill the</u></p>	<p>8-12</p>

appropriate experience for your major.

The hands-on possibilities within the IPS degree are numerous. Students are required to participate in undergraduate research projects, work as part-time employees with research and extension personnel, and/or participate in professional internships to put their classroom training to work. Student clubs also provide a variety of ways to interact with peers, faculty, and staff within the college, yet another way to enrich the educational experience.

Scholarships for IPS majors are available on a competitive basis and are awarded based on ability, need, and interest in a career path in plant sciences. In order to certify in an IPS major, a student must have a minimum of 24 credits with a minimum cumulative GPA of 2.0. For complete information about all majors within the IPS degree programs, please see the IPS webpage at: <http://ips.wsu.edu>.