

UNDERGRADUATE AND PROFESSIONAL MAJOR CHANGE BULLETIN NO. 6

**---REQUIREMENTS---
Fall 2011**

Faculty Senate Approved 2/9/2012

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. Transition to the new UCORE designations is currently under construction and is expected in early Spring 2012 in a separate bulletin.

Dept	Proposed	Effective Date
Economic Sciences, Revise Graduation Requirements for Bachelor of Science in Economic Sciences, Financial Markets Option	Financial Markets(120 Hours) Second Year First Term Hours Acctg 230 3 ComSt 102 [C], 324 [C], or H D 205 [C] (GER) 3 EconS 301 3 Physical Sciences [P] (GER) 3 or 4 Social Sciences [S,K] (GER) ³ <u>MIS 250</u> 3 Second Term Hours Acctg 231 3 Arts & Humanities [H,G] or Social Sciences [S,K] (GER) 3 EconS 302 3 Stat 212 [N] (GER) or MgtOp 215 4 Electives 2	8-12
Engineering and Computer Science WSU-Vancouver , Revise Graduation Requirements for Bachelor of Science in Mechanical Engineering	Bachelor of Science, Mechanical Engineering Requirements (Vancouver Only)(124 Hours) First Year First Term Hours Arts & Humanities [H,G] (GER) 3 Chem 105 [P] (GER) 4 GenEd 110 [A] (GER) 3 Math 171 [N] (GER) 4	8-12

Mech 101	2
Second Term	Hours
Chem 106	4
Engl 101 [W] (GER)	3
GenEd 111 [A] (GER)	3
Math 172	4
Mech 103	2
Second Year	
First Term	Hours
CS 251	2
EconS 101 [S] or 102 [S] (GER)	3
Math 220	2
Math 273	2
Mech 211	3
<u>Mech 251</u>	<u>2</u>
Phys 201 [P] (GER)	4
Second Term	Hours
Biological Sciences [B] (GER)	3
Math 315	3
Mech 212	3
Mech 215	3
Phys 202 [P] (GER)	4
Complete Writing Portfolio	
Third Year	
First Term	Hours
Mech 301	3
Mech 303	3
Mech 304	3
Mech 309	3
Mech 314 [M]	3
Second Term	Hours
Engl 402 [W] (GER)	3
Mech 310	4
Mech 348	3
Mech 404	3
Mech 414	3
400-level Mech Option Course ¹	3

	<p>Fourth Year</p> <p>First Term Hours</p> <p>Engl 402 [W] (GER) 3</p> <p>Mech 402 3</p> <p><u>Mech 414</u> <u>3</u></p> <p>Mech 416 2</p> <p>400-level Mech Option Course¹ 3</p> <p>400-level Mech Technical Elective¹ 3</p> <p>Second Term Hours</p> <p>Intercultural Studies [I,G,K] (GER) 3</p> <p>Mech 417 3</p> <p>Tier III Humanities or Social Science Course [T,D] (GER) 3</p> <p>400-level Mech Option Course¹ 3</p> <p>400-level Mech Technical Elective¹ 3</p> <hr/> <p>Footnotes</p> <p>¹ The program emphasizes fundamentals and provides flexibility in selecting a course of study through five technical electives. Students can either take any five elective courses, provided they meet the prerequisites, or they can choose to take a set of three-related electives comprising an option area and two-additional electives of their choice. Students are required to work with their faculty advisor to develop their schedule of studies as they are admitted to the program at the junior level. The following are the technical elective courses and option areas: (Option 1) Micro and Nanotechnology: Mech 431, 438, 450; (Option 2) Design and Manufacturing: Mech 476, 485, 489; (Option 3) Mechatronics: Mech 405, 467, 468-; <u>(Option 4) Renewable Energy: Mech 441, ECE 421, choice of two courses from Mech 405, Mech 468, Mech 431, Mech 450.</u></p>	
<p>Engineering and Computer Science WSU-Vancouver, Revise Minor in Mechanical Engineering</p>	<p>Mechanical Engineering</p> <p>A minor in mechanical engineering requires 16 credits of 300-400-level Mech courses, including two of the following four courses: Mech 303, 348, 404, 414. All prerequisites for minor courses must be met. All courses must be completed with a minimum 2.0 average gpa. 9 hours of upper-division work must be taken in residence at WSU or through WSU-approved education abroad or educational exchange courses.</p> <p><u>A mechanical engineering minor requires a minimum of 16 semester hours, 9 of which must be in upper-division course work and taken in</u></p>	

	<p><u>residence at WSU or through WSU-approved education abroad or educational exchange courses. This minor requires (1) Mech 211 and Mech 212, (2) Four out of the following Mech 431, Mech 438, Mech 450, Mech 467, Mech 468, Mech 441, Mech 309, Mech 314, Mech 215, Mech 303, or Mech 348. At least one of these four courses must be Mech 215, Mech 303, or Mech 348. All prerequisites for minor courses must be met. All courses must be completed with a minimum 2.0 average gpa.</u></p>	
<p>Honors College Revise Undergraduate Certificate in Global Competencies.</p>	<p>Honors Certificate of Global Competencies</p> <p>The Certificate of Global Competencies is an elective certificate for Honors students whose international interests and/or career objectives can be enhanced by an integrated program of language study, academic coursework, and study abroad. Students receive a notation on their transcript IN ADDITION to the Honors Certificate of Completion. The Certificate of Global Competencies builds on the courses required for the Honors Certificate of Completion. Students who enter with good foreign language preparation usually will not require extra time to complete both certificates. Twenty-three <u>Fifteen graded</u> credits are required for the Certificate of Global Competencies. A minimum of 14 credits must be taken for a letter grade. At least 12 of the credits must be taken at WSU. A grade of C or better must be earned in each of the required, elective and transfer courses in order to qualify for the certificate. The university undergraduate certificate fee will apply. Students are strongly encouraged to work with an Honors advisor to plan an appropriate schedule of studies. The certificate entails requirements in three <u>four</u> areas: 1. Foreign language competence: A minimum of 4 <u>3-6</u> graded credits at the 204 level or higher, and fourth semester competence are required. Fifth semester competence is preferred. Most students will complete 6-8 graded credits in a foreign language. 2. Education abroad: A minimum of 6-9 graded credits from one term abroad or longer in an approved program. A "term" may include a summer session with a full academic load. A typical semester abroad in an approved program will result in 12-15 WSU credits. 3. <u>UH 430 and presentation (3-6 credits, graded): May be completed through coursework abroad OR at WSU. UH 430 includes an oral presentation scheduled at the Honors College during the first semester following the completion of UH 430.</u> Coursework: A minimum of 11 graded</p>	<p>8-12</p>

	<p>credits and 3 S,F thesis credits are required. The following courses are required: UH 300 (focused on language/culture/continent of study abroad experience), UH 330, UH 350, UH 430, and UH 450 (focus on an international topic). <u>4. Honors Thesis (UH 450, 3 credits, S,F): Your Honors Thesis must incorporate an international perspective significantly developed in the thesis. See an Honors advisor for approval of the international component.</u></p>	
<p>Pharmacy, Revise Graduation Requirements in Doctor of Pharmacy</p>	<p>Professional Curriculum(135 <u>136</u>Hours)</p> <p>First Year</p> <p>First Term Hours</p> <p>PharD 501 1</p> <p>PharD <u>PhrSc</u> 502 3</p> <p>PharD <u>PhrSc</u> 503 4</p> <p>PharD <u>PhrSc</u> 504 1</p> <p>PharD 505 2</p> <p>PharD 507 1</p> <p>PharD <u>PhrSc</u> 508 3</p> <p>PharD 509 1</p> <p>Second Term Hours</p> <p>PharD <u>PhrSc</u> 512 4</p> <p>PharD 513 1</p> <p>PharD 514 4</p> <p><u>PhrSc</u> 515 <u>2</u></p> <p>PharD 516 2</p> <p>PharD <u>PhrSc</u> 518 2</p> <p>PharD <u>PhrSc</u> 519 1</p> <p>Elective¹ 1</p> <p>Second Year</p> <p>First Term Hours</p> <p>PharD 527 3</p> <p>PharD <u>PhrSc</u> 528 3</p> <p>PharD 531 1</p> <p>PharD <u>PhrSc</u> 532 4</p> <p>PharD 533 3</p> <p>PharD 534 4</p>	<p>8-12</p>

Elective ¹	1
Second Term	Hours
PharD 541	1
PharD <u>PhrSc</u> 542	4
PharD 543	1
PharD 544	4
PharD 545	3
PharD 546	2
<u>PharD 559</u>	<u>2</u>
Elective ¹	1
Third Year	
First Term	Hours
<u>PharD 545</u>	<u>3</u>
PharD 551	1
PharD 553	3
PharD 554	3
PharD 555	3
PharD 557	3
PharD 558	2
PharD 559	2
<u>PharD 567</u>	<u>3</u>
Elective ¹	1
Second Term	Hours
<u>PharD 557</u>	<u>3</u>
PharD 561	1
PharD 563	2
PharD 564	3
PharD 565	2
PharD 566	3
PharD 567	3
PharD 568	1
PharD 569	1
Elective ¹	1
Fourth Year	
First Term	Hours
Advanced Pharmacy Practice Experiences (APPE) ²	20
Second Term	Hours

Footnotes

¹ Elective Courses: four credits of electives are mandatory throughout the first three years of the curriculum. Students are required to take two elective credits during the first two years of the program and two elective credits during the third year of the program. Select from: PharD 499, 588, 589, 590, 591, 592, 593, 594, 595, 596, 597, 598, and 599.

² Advanced Pharmacy Practice Experiences (APPE) courses are: PharD 581, 582, 583, 584, 585, 586, 587.