

**UNDERGRADUATE AND PROFESSIONAL MAJOR CHANGE BULLETIN NO. 7
Spring 2013**

---COURSES---

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.

Prefix	Course Number	New Revise Drop	Current	Proposed	Effective Date
BIOLOGY	111	New	--N/A--	[BSCI]L Laboratory Experiments in Biology and Genetics 1 (0-3) Scientific method and its application to a diverse range of biology and genetics topics and research questions.	8-13
FS	409	New	--N/A--	Principles of Environmental Toxicology 3 Nature, properties, effects, and detection of toxic substances in the environment and in environmentally exposed species, including humans. Cooperative: Open to UI degree-seeking students. Recommended preparation: BIOLOGY 102 or 107; CHEM 102; CHEM 105; CHEM 106; STAT 205. Offered at 400 and 500 level.	8-13
FS	436	New	--N/A--	Principles of Sustainability 3 Course Prerequisite: Junior standing. Issues and processes in sustainability; resource management, waste generation and management; industrial approaches to sustainability; case studies. Cooperative: Open to UI degree-seeking students. Offered at 400 and 500 level.	8-13
KINES	411	New	--N/A--	Advanced Strength Training 3 Course Prerequisite: Certified Strength and Conditioning minor; KINES 262; KINES 264; KINES 311; CPR/First Aid certification. Advanced strength training, including an in-depth look at programming of strength and fitness programs.	8-13

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---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.

Dept	Proposed	Effective Date
English Extend Professional Writing Certificate	Extend Professional Writing Certificate to WSU Vancouver	8-13
Hospitality Business Management Revise minor in Hospitality Business Management	<p>Hospitality Business Management</p> <p>To be eligible to certify in the hospitality business management minor, students must be certified in a major and have a cumulative gpa of 2.5. The minor in hospitality business management requires a minimum of 19 hours, 9 of which must be 300-400 level with an overall gpa of at least a 2.5 in the required courses. The required courses are ACCTG 230, HBM 182 or 320 Industry Experience which requires students to fulfill a 400 hour work experience/internship, and 5 College of Business or Hospitality Business Management courses of which at least nine hours must be Hospitality Business Management courses at the 300-400 level. <u>9-Nine</u> hours must be 300-400 level courses taken in residence at WSU or though WSU-approved education abroad or educational exchange courses and they may not include any 498 or 499 courses. Up to 6 hours may be transferred from another institution. Students must ensure that they meet all course prerequisites before seeking admission to any College of Business course. <u>In addition, students must complete 400 hours of internship/industry experience to earn the minor.</u></p> <p><u>In order for hours to count for the requirement, they must meet the following criteria:</u></p> <ol style="list-style-type: none"> 1) <u>Hours must be worked after high-school graduation;</u> 2) <u>All hours must be documented as paid;</u> 3) <u>Hours must be worked at a company whose primary source of revenue is derived from hospitality services; and</u> 4) <u>The employer evaluation for the hours must reflect an average of 70% across the ratings criteria on the form.</u> 	8-13
Mechanical and Materials Engineering Revise graduation requirements in Materials Science	<p>Materials Science and Engineering(1293 Hours)</p> <p>Certification Requirements:</p> <p>Certification into the Bachelor of Science program in Materials Science and Engineering is limited to 21 students per entering class. Students who have completed at least 30 semester hours of graded course work with an overall minimum 2.0 gpa and who have</p>	8-13

and Engineering

completed the following courses with a minimum grade of 2.0 in each course: CHEM 105, CHEM 106, ENGLISH 101, MATH 171, 172, and PHYSICS 201 or their equivalents are eligible. When it becomes necessary to limit enrollment, the overall gpa as well as the gpa for the prerequisite courses listed above, will be important factors.

Students need to submit an application for certification to the Undergraduate Students Services office, Sloan 205 or electronically to newcoug@mme.wsu.edu. The application deadline is the Monday after finals week in December and May for the fall and the spring semesters respectively. For additional details, contact the school's office of student services.

First Year

First Term ***Hours***

CHEM 105 [PSCI]	4
<u>Creative & Professional Arts [ARTS]</u>	<u>3</u>
ENGLISH 101 [WRTG]	3
HISTORY 105 [ROOT]	3
MATH 171 [QUAN]	4
MSE 110	2

Second Term ***Hours***

Biological Sciences [BSCI]	3
CHEM 106	4
Creative & Professional Arts [ARTS]	3
<u>HISTORY 105 [ROOT]</u>	<u>3</u>
MATH 172	4
PHYSICS 201	4

Second Year

First Term ***Hours***

CE 211	3
Humanities [HUM]	3
MATH 220	2
MATH 273	2
MSE 201	3
PHYSICS 202	4

Second Term ***Hours***

CE 215	3
CPT S 254-121 or E E 221	2
Diversity [DIVR]	3
ECONS 102 [SSCI]	3
MATH 315	3
ME 220	1
Complete Writing Portfolio	

Third Year

First Term ***Hours***

<u>E E 304</u>	<u>2</u>
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	<p>ME 310 2</p> <p>MSE 302 3</p> <p>MSE 316 3</p> <p>MSE 320 3</p> <p>MSE 402 3</p> <p>STAT 360 or 370 3</p> <p>Second Term Hours</p> <p>E E 304 2</p> <p>Integrative Capstone [CAPS] 3</p> <p>ME 310 2</p> <p>MSE 321 3</p> <p>MSE 323 2</p> <p>MSE 401 3</p> <p>MSE 403 3</p> <p>Fourth Year</p> <p>First Term Hours</p> <p>Integrative Capstone [CAPS] 3</p> <p>ME 416 3</p> <p>MSE 403 3</p> <p>MSE 413 3</p> <p>MSE 425 [M] 3</p> <p>Engineering and Science Elective¹ 3</p> <p>Second Term Hours</p> <p>Communication [COMM] or Written Communication [WRTG] 3</p> <p>ENGLISH 402 [WRTG] 3</p> <p>MSE Elective³² 3</p> <p>Technical Elective⁴³ 3</p> <p>Engineering and Science Elective¹ 3</p> <hr/> <p>Footnotes</p> <p>¹ Six credits from BIOLOGY 301, BIO ENG 481, CE 341, E E 214, ME 212, 303, 313, 316, 348, 404, 414, 449, 461, 472, CHEM 331, 332, 336, 345, 346, 347, 348, PHYSICS 303, 304, 463, MBIOS 303, any 400 or 500-level MSE, or any 500-level ME (except Integrated Capstone course in MSE).</p> <p>² If approved, this course may fulfill the UCORE Communication [COMM] or Written Communication [WRTG] requirement.</p> <p>³² Any 400 or 500-level MSE course.</p> <p>⁴³ Upper-division CE, CH E, CHEM, CPT S, E E, MATH, MSE, ME, PHYSICS, or STAT course (except Integrated Capstone courses in Engineering).</p>	
Mechanical and Materials Engineering Revise minor in Materials Science and Engineering.	<p>Materials Science And Engineering</p> <p>A minor in materials science and engineering requires 16 credits which must include ME 220 and MSE 201. An additional 12 credits must be chosen from MSE 302, 401, 402, 403, 404, 406, 413, ME 310, <u>ME 311</u>, or E E 496. 9 hours of upper-division work must be taken in residence at WSU or through WSU-approved education abroad or educational exchange courses.</p>	8-13
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