

**UNDERGRADUATE AND PROFESSIONAL MAJOR CHANGE BULLETIN NO. 9  
Spring 2015**

---COURSES---

**Faculty Senate Approved March 12, 2015**

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.

<b>Subject</b>	<b>Course Number</b>	<b>New Revise Drop</b>	<b>Current</b>	<b>Proposed</b>	<b>Effective Date</b>
AFS	250	New	--N/A--	<b>Civic Engagement in Sustainable Food Systems 2</b> Introduction to sustainable food systems through lecture, discussion, and engagement. Spring Break field trip required. Typically offered: Spring.	5-15
AMDT	210	Revise	<b>Textile Specifications 4 (3-2)</b> Examination of basic textile components including fibers, yarns, structure, coloration, and finishes relative to performance standards and expectations for intended use.	<b>[SCI] Textile Specifications 4 (3-3)</b> Examination of basic textile components including fibers, yarns, structure, coloration, and finishes relative to performance standards and expectations for intended use. Typically offered: Fall and Spring.	8-15
CHE	332	Revise	<b>Fluid Mechanics and Heat Transfer 2</b> Course Prerequisite: CHE 310 with a C or better; certified Chemical Engineering major. Design calculations, operations, and evaluation of equipment used in fluid flow, heat transfer, and evaporation.	<b>Fluid Mechanics and Heat Transfer 3</b> Course Prerequisite: CHE 310 with a C or better; certified major in Chemical Engineering. Design calculations, operations, and evaluation of equipment used in fluid flow, heat transfer, and evaporation. Typically offered: Spring.	8-15
CHE	334	Revise	<b>Chemical Engineering Separations 2</b> Course Prerequisite: CHE 301 with a C or better; CHE 310 with a C or better; CHE 332 with a C or better or concurrent enrollment; certified Chemical Engineering major. Design and evaluation of equipment used in continuous contacting.	<b>Chemical Engineering Separations 3</b> Course Prerequisite: CHE 301 with a C or better; CHE 310 with a C or better; CHE 332 with a C or better or concurrent enrollment; certified Chemical Engineering major. Design and evaluation of equipment used in continuous contacting. Typically offered: Spring.	8-15
CHE	481	Revise	<b>Special Topics in Chemical Engineering V 1-3</b> Interfacial phenomena, high temperature material processing, integrated	<b>Special Topics in Chemical Engineering V 1-3</b> <u>May be repeated for credit; cumulative maximum 9 hours.</u> Interfacial	8-15

			circuit manufacturing, in situ destruction of hazardous waste.	phenomena, high temperature material processing, <u>catalysis</u> , <u>biofilms</u> , <u>environmental technology</u> , <u>oil production</u> , integrated circuit manufacturing, in situ destruction of hazardous waste. <u>Typically offered: Fall and Spring.</u>	
<b>DTC / ENGLISH</b>	<b>435</b>	<b>New</b>	--N/A--	<b>Advanced Animation 3</b> (2-2) Course Prerequisite: DTC 335. Advanced investigation of tools and methods for 2D and 3D digital animation. (Crosslisted course offered as DTC 435, ENGLISH 435). Typically offered Fall, Spring, and Summer.	<b>8-15</b>
<b>ENGR</b>	<b>430</b>	<b>New</b>	--N/A--	<b>Interdisciplinary Design I 3</b> (1-4) Course Prerequisite: Senior standing. Programming, resource flows, site analysis and schematic design; multidisciplinary team development. Typically offered: Fall.	<b>8-15</b>
<b>ENVR SCI</b>	<b>406</b>	<b>Revise</b>	<b>Introduction to Radiological Science 2</b> Course Prerequisite: <del>BIOLOGY 107; CHEM 105; MATH 171; PHYSICS 101, or graduate standing.</del> Fundamentals of atomic physics; interactions of radiation with matter; radiation dosimetry and biology, radioecology and radiological health protection.	<b>Introduction to Radiological Science 3</b> Fundamentals of atomic physics; interactions of radiation with matter; radiation dosimetry and biology, radioecology and radiological health protection. <u>Recommended preparation: 12 semester hours from any 2 or more of the following subjects: biology, chemistry, calculus, or physics.</u> Typically offered: Fall.	<b>8-15</b>
<b>GERMAN</b>	<b>308</b>	<b>Revise</b>	<b>Intermediate Grammar and Writing 3</b> Writing practice in the language and active review of grammar. Not open to native speakers except with permission. Required preparation must include GERMAN 204 with a grade of C or better or equivalent proficiency. Cooperative: Open to UI degree-seeking students.	<b>[M] Intermediate Grammar and Writing 3</b> Writing practice in the language and active review of grammar. Not open to native speakers except with permission. Required preparation must include GERMAN 204 with a grade of C or better or equivalent proficiency. Cooperative: Open to UI degree-seeking students.	<b>5-15</b>
<b>ME</b>	<b>466</b>	<b>New</b>	--N/A--	<b>Fundamentals of Engineering Examination Review 1</b> Course prerequisite: Certified engineering or computer science major. Review of engineering fundamentals and	<b>8-15</b>

				mechanical engineering discipline specific topics to prepare for the Fundamentals of Engineering Examination. Typically offered: Fall and Spring. S, F grading.	
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