

New Course Numbers in CHBE

Updated: March 18, 2011, rwl

As everyone at MSU already knows, MSU course numbers are changing. CHBE course numbers have been unaffected until now, but it is now our turn to renumber our courses so that all State universities in Montana can use the same course numbers for the same courses. Our courses will now fall into the following rubrics:

- **EBIO** Engineering – Biological
- **ECHM** Engineering – Chemical
- **EGEN** Engineering – General
- **EMAT** Engineering – Materials Science

Here are the course name changes for CHBE courses:

Old Course	Old Course Title	>>>	New Course	New Course Title
CHBE-100	Intro Chem and Biological Engr	>>>	ECHM-100	Intro to Chem Engin
		>>>	EBIO-100	Intro to Biol Engin
CHBE-120	Chem and Biol Engr Computation	>>>	EGEN-102	Intro to Engineer Comp Apps
CHBE-205CS	Energy and Sustainability	>>>	ECHM-205CS	Energy and Sustainability
CHBE-213	Material Science	>>>	EMAT-251	Materials Structures and Prop
CHBE-215	Elementary Principles I	>>>	ECHM-215	Elem Princ of Chem Engin I
CHBE-216	Elementary Principles II	>>>	ECHM-216	Elem Princ of Chem Engin II
CHBE-226	Elementary Principles of Bioen	>>>	EBIO-216	Elem Princ of BioEngin
CHBE-270	Individual Problems	>>>	ECHM-292	Independent Study
CHBE-280	Special Topics	>>>	ECHM-291	Special Topics
CHBE-307	Thermodynamics I	>>>	ECHM-307	Chem Engin Thermodynamics I
CHBE-321	Fluid Mechanic Operations	>>>	ECHM-321	Chem Engin Fluid Mechanic Ops
CHBE-322	Heat Transfer Operations	>>>	ECHM-322	Chem Engin Heat Transfer Ops
CHBE-323	Mass Transfer Operations	>>>	ECHM-323	Chem Engin Mass Transfer Ops
CHBE-324	Bioengineering Transport	>>>	EBIO-324	Bioengineering Transport
CHBE-328	Chemical Reaction Engineering	>>>	ECHM-328	Chem Engin Reaction Engin
CHBE-407	Chem Engr Thermo II	>>>	ECHM-407	Chem Engin Thermodynamics II
CHBE-411R	Chem and Biological Engr Dsgn	>>>	ECHM-411R	Chem and Biol Engin Design I
CHBE-412R	Chem and Biol Engr Dsgn II	>>>	ECHM-412R	Chem and Biol Engin Design II
CHBE-424	Transport Analysis	>>>	ECHM-424	Transport Analysis
CHBE-438	Bioprocess Engineering	>>>	EBIO-438	Bioprocess Engin
CHBE-439	Downstream Processing	>>>	EBIO-439	Downstream Processing
CHBE-442	CHBE Laboratory I	>>>	ECHM-442	Chem Engin Laboratory I
CHBE-443	CHBE Laboratory II	>>>	ECHM-443	Chem Engin Laboratory II
CHBE-451	Process Dynamics and Control	>>>	ECHM-451	Chem Engin Proc Dyn/Control
CHBE-452	Advanced Engineering Materials	>>>	ECHM-452	Advanced Engineering Materials
CHBE-461	Bioengineering Lab I	>>>	EBIO-442	Bioengin Laboratory I
CHBE-462	Bioengineering Lab II	>>>	EBIO-443	Bioengin Laboratory II
CHBE-463	Composite Materials	>>>	EMAT-463	Composite Materials
CHBE-467	Intro to Polymer Engineering	>>>	EMAT-460	Polymeric Materials
CHBE-470	Independent Study	>>>	ECHM-492	Independent Study
CHBE-476	Internship	>>>	ECHM-498	Internship
CHBE-480	Special Topics	>>>	ECHM-491	Special Topics
CHBE-490R	Undergraduate Research	>>>	ECHM-490R	Undergraduate Research
CHBE-500	Seminar	>>>	ECHM-594	Seminar
CHBE-503	Thermodynamics	>>>	ECHM-503	Thermodynamics
CHBE-506	Separations	>>>	ECHM-506	Separations
CHBE-510	Reaction Engineering and React	>>>	ECHM-510	Reaction Engineering/Modeling
CHBE-511	Catalysis and Applied Surface	>>>	EMAT-511	Catalysis/Applied Surface Chem
CHBE-519	Surface Engineering	>>>	EMAT-519	Surface Engineering
CHBE-530	Transport Phenomena	>>>	ECHM-533	Transport Phenomena
CHBE-533	Viscous Fluid Dynamics	>>>	ECHM-535	Viscous Fluid Dynamics
CHBE-534	Mass Transfer	>>>	ECHM-534	Mass Transfer
CHBE-542	Theory of Magnetic Resonance I	>>>	EGEN-542	Thry Magnetic Resonance Img II
CHBE-551	Advanced Composite Materials	>>>	EMAT-551	Advanced Composite Materials
CHBE-570	Independent Study	>>>	ECHM-592	Independent Study
CHBE-575	Research or Professional Paper	>>>	ECHM-575	Research or Prof Paper/Project
CHBE-576	CHBE Grad Internship	>>>	ECHM-598	CHBE Grad Internship
CHBE-580	Special Topics	>>>	ECHM-591	Special Topics
CHBE-589	Graduate Consultation	>>>	ECHM-589	Graduate Consultation
CHBE-590	Master's Thesis	>>>	ECHM-590	Master's Thesis
CHBE-690	Doctoral Thesis	>>>	ECHM-690	Doctoral Thesis

The flowcharts have already been updated to show both the old and new course numbers, and we will be revising all other published documents in the next few weeks. It will take us all a little time to get used to the new course numbers, and to work through any unforeseen problems. Please be patient.

Thanks,
Ron Larsen