CHANGE UNDERGRADUATE PROGRAM FORM

1. General Information

College: Engineering

Department: Chemical and Materials Engineering

Current Major Name: Chemical Engineering

Proposed Major Name: ———

Current Degree Title: Chemical Engineering

Proposed Degree Title: ———

Formal Option(s): N/A

Proposed Formal Option(s): ———

Specialty Field w/in Formal Option: N/A

Proposed Specialty Field w/in Formal Options: ———

Date of Contact with Associate Provost for Academic Administration[1]: ———

Bulletin (yr & pgs): 2012-13 pgs 220-221 CIP Code[1]: 14.0701 Today's Date: 10/9/12

Accrediting Agency (if applicable): ABET, Inc.

Requested Effective Date: ☒ Semester following approval. OR ☐ Specific Date[2]: ———

Dept. Contact Person: Kimberly W. Anderson Phone: 7-4815 Email: kimberly.anderson@uky.edu

2. General Education Curriculum for this Program:

The new General Education curriculum is comprised of the equivalent of 30 credit hours of course work. There are, however, some courses that exceed 3 credits & this would result in more than 30 credits in some majors.

- There is no foreign language requirement for the new Gen Ed curriculum.
- There is no General Education Electives requirement.

Please list the courses/credit hours currently used to fulfill the University Studies/General Education curriculum:

Please identify below the suggested courses/credit hours to fulfill the General Education curriculum.

General Education Area	Course	Credit Hrs
I. Intellectual Inquiry (one course in each area)		
Arts and Creativity	*CME 455*	*3*
Humanities	*Choose from list*	*3*
Social Sciences	*Choose from list*	*3*
Natural/Physical/Mathematical	*CHE 105 &111*	*5*
II. Composition and Communication		
Composition and Communication I	CIS or WRD 110	3

[1] Prior to filling out this form, you MUST contact the Associate Provost for Academic Administration (APAA). If you do not know the CIP code, the (APAA) can provide you with that during the contact.

[2] Program changes are typically made effective for the semester following approval. No program will be made effective until all approvals are received.

Composition and Communication II	CIS or WRD 111	3
III. Quantitative Reasoning (one course in each area)		
Quantitative Foundations[3]	*MA 113*	*4*
Statistical Inferential Reasoning	*STA 210*	*3*
IV. Citizenship (one course in each area)		
Community, Culture and Citizenship in the USA	*Choose from list*	*3*
Global Dynamics	*Choose from list*	*3*
Total General Education Hours		*33*

3. Explain whether the proposed changes to the program (as described in sections 4 to 12) involve courses offered by another department/program. Routing Signature Log must include approval by faculty of additional department(s).

N/A

4. Explain how satisfaction of the University Graduation Writing Requirement will be changed.

Current	*Proposed*
☒ Standard University course offering. List: Choose from list	☐ *Standard University course offering. List:* _____
☐ Specific course – list: _____	☐ *Specific course) – list:* _____

5. List any changes to college-level requirements that must be satisfied.

Current	*Proposed*
☐ Standard college requirement. List: _____	☐ *Standard college requirement. List:* _____
☐ Specific required course – list: _____	☐ *Specific course – list:* _____

6. List pre-major or pre-professional course requirements that will change, including credit hours.

Current	*Proposed*
_____	_____

7. List the major's course requirements that will change, including credit hours.

Current	*Proposed*
CME 470 (one credit hour)	*CME 470 (two credit hours)*
CME 471 (one credit hour)	*CME 471 (remove)*

8. Does the pgm require a minor AND does the proposed change affect the required minor? ☒ N/A ☐ Yes ☐ No

If "Yes," indicate current courses and proposed changes below.

Current	*Proposed*
_____	_____

[3] Note that MA 109 is NOT approved as a Quantitative Foundations course. Students in a major requiring calculus will use a calculus course (MA 113, 123, 137 or 138) while students not requiring calculus should take MA 111, PHI 120 or another approved course.

CHANGE UNDERGRADUATE PROGRAM FORM

9. Does the proposed change affect any option(s)? ☒ N/A ☐ Yes ☐ No

If "Yes," indicate current courses and proposed changes below, including credit hours, and also specialties and subspecialties, if any.

Current	*Proposed*

10. Does the change affect pgm requirements for number of credit hrs outside the major subject in a related field? ☐ Yes ☒ No

If so, indicate current courses and proposed changes below.

Current	*Proposed*

11. Does the change affect pgm requirements for technical or professional support electives? ☐ Yes ☒ No

If so, indicate current courses and proposed changes below.

Current	*Proposed*

12. Does the change affect a minimum number of free credit hours or support electives? ☐ Yes ☒ No

If "Yes," indicate current courses and proposed changes below.

Current	*Proposed*

13. Summary of changes in required credit hours:

		Current	*Proposed*
a.	Credit Hours of Premajor or Preprofessional Courses:	35	*35*
b.	Credit Hours of Major's Requirements:	68	*68*
c.	Credit Hours for Required Minor:		
d.	Credit Hours Needed for a Specific Option:		
e.	Credit Hours Outside of Major Subject in Related Field:	6	*6*
f.	Credit Hours in Technical or Professional Support Electives:	3	*3*
g.	Minimum Credit Hours of Free/Supportive Electives:	3	*3*
h.	Total Credit Hours Required by Level: 100:	25	*25*
	200:	35	*35*
	300:	7	*7*
	400-500:	39	*39*
i.	Total Credit Hours Required for Graduation:	133	*133*

14. Rationale for Change(s) – if rationale involves accreditation requirements, please include specific references to that.

CME 470: Professionalism, Ethics and Safety - increase from one to two credits. This proposed change is in response to an increased emphasis on chemical process safety eduction, as encompassed in the recently revised ABET accreditation criteria for chemical engineering. A course change proposal for CME 470 has been submitted on the online eCATS systems and is also attached.

CME 471: Seminar - remove from curriculum. This one credit course is focused on the development of oral communication skills. The recent launch of the UK Core, and the emphasis on communication has rendered this course somewhat redundent. In addition to the exposure to oral communication in CIS/WRD 110 and 111, we continue to emphasize technical oral communication in the upper-division laboratory courses and in the capstone design experience.

15. List below the typical semester by semester program for the major. If multiple options are available, attach a separate sheet for each option.

YEAR 1 – FALL: (e.g. "BIO 103; 3 credits")	See Attached	**YEAR 1 – SPRING:**	_____
YEAR 2 - FALL :	_____	**YEAR 2 – SPRING:**	_____
YEAR 3 - FALL:	_____	**YEAR 3 - SPRING:**	_____
YEAR 4 - FALL:	_____	**YEAR 4 - SPRING:**	_____

Bachelor of Science In Chemical Engineering Curriculum

FRESHMAN YEAR

First Semester		Second Semester	
CME 101 Introduction to Chemical Engineering	1	MSE 201 Materials Science	3
CHE 105 General College Chemistry I	4	CHE 107 General College Chemistry II	3
CHE 111 Chemistry Lab	1	CHE 113 Chemistry Lab	2
MA 113 Calculus I	4	MA 114 Calculus II	4
CIS/WRD 110 Comp. and Commun. I	3	CIS/WRD 111 Comp. and Commun. II	3
Gen. Education – Humanities	3	*Total Hours*	*15*
Total Hours	*16*		

SOPHOMORE YEAR

First Semester		Second Semester	
CME 200 Process Principles	3	CME 320 Engineering Thermodynamics	4
MA 213 Calculus III	4	CHE 232 Organic Chemistry II	3
PHY 231 General University Physics	4	CME 220 Comp. Tools in Chemical Engr.	3
PHY 241 General Physics Lab	1	MA 214 Calculus IV	3
CHE 230 Organic Chemistry I	3	PHY 232 General University Physics	4
CHE 231 Organic Chemistry Lab I	1	*Total Hours*	*17*
Total Hours	*16*		

JUNIOR YEAR

First Semester		Second Semester	
CME 415 Separation Processes	3	CME 006 Engineering Profession	0
CHE 446G Physical Chemistry	3	CME 420 Process Modeling	3
CME 330 Fluid Mechanics	3	CME 425 Heat and Mass Transfer	4
Graduation Writing Course	3	CME 432 Chemical Engineering Lab I	2
STA 210 Statistics	3	Supportive Elective	3
Technical Elective	3	Chemistry Elective	3
CME 471	1	Gen. Education – Social Sciences	3
Total Hours	*19*	*Total Hours*	*18*

SENIOR YEAR

First Semester		Second Semester	
CME 006 Engineering Profession	0	CME 006 Engineering Profession	0
CME 470 Professionalism, Ethics & Safety	1	CME 456 Chemical Engr. Process Design II	4
CME 433 Chemical Engineering Lab II	3	CME 462 Process Control	3
CME 455 Chemical Engr. Process Design I	3	CME Elective	3
CME 550 Chemical Reactor Design	3	Bio Elective or Materials Elective	3
Gen Education – Global Dynamics	3	Gen. Education – Commun, Culture, Citizenship	3
CME Elective	3	*Total Hours*	*16*
Total Hours	*16*		

TOTAL HOURS = 133*

****Total number of hours may vary, depending on how new UK Core is fulfilled***

Bachelor of Science In Chemical Engineering Curriculum
PROPOSED

FRESHMAN YEAR			
First Semester		Second Semester	
CME 101 Introduction to Chemical Engineering	1	MSE 201 Materials Science	3
CHE 105 General College Chemistry I	4	CHE 107 General College Chemistry II	3
CHE 111 Chemistry Lab	1	CHE 113 Chemistry Lab	2
MA 113 Calculus I	4	MA 114 Calculus II	4
CIS/WRD 110 Comp. and Commun. I	3	CIS/WRD 111 Comp. and Commun. II	3
Gen. Education – Humanities	3	*Total Hours*	*15*
Total Hours	*16*		
SOPHOMORE YEAR			
First Semester		Second Semester	
CME 200 Process Principles	3	CME 320 Engineering Thermodynamics	4
MA 213 Calculus III	4	CHE 232 Organic Chemistry II	3
PHY 231 General University Physics	4	CME 220 Comp. Tools in Chemical Engr.	3
PHY 241 General Physics Lab	1	MA 214 Calculus IV	3
CHE 230 Organic Chemistry I	3	PHY 232 General University Physics	4
CHE 231 Organic Chemistry Lab I	1	*Total Hours*	*17*
Total Hours	*16*		
JUNIOR YEAR			
First Semester		Second Semester	
CME 415 Separation Processes	3	CME 006 Engineering Profession	0
CHE 446G Physical Chemistry	3	CME 420 Process Modeling	3
CME 330 Fluid Mechanics	3	CME 425 Heat and Mass Transfer	4
Graduation Writing Course	3	CME 432 Chemical Engineering Lab I	2
STA 210 Statistics	3	Supportive Elective	3
Technical Elective	3	Chemistry Elective	3
Total Hours	*18*	Gen. Education – Social Sciences	3
		Total Hours	*18*
SENIOR YEAR			
First Semester		Second Semester	
CME 006 Engineering Profession	0	CME 006 Engineering Profession	0
CME 470 Professionalism, Ethics & Safety	2	CME 456 Chemical Engr. Process Design II	4
CME 433 Chemical Engineering Lab II	3	CME 462 Process Control	3
CME 455 Chemical Engr. Process Design I	3	CME Elective	3
CME 550 Chemical Reactor Design	3	Bio Elective or Materials Elective	3
Gen Education – Global Dynamics	3	Gen. Education – Commun, Culture, Citizenship	3
CME Elective	3	*Total Hours*	*16*
Total Hours	*17*		

TOTAL HOURS = 133*

****total number of hours may vary, depending on how new UK Core is fulfilled***

CHANGE UNDERGRADUATE PROGRAM FORM

Signature Routing Log

General Information:

Current Degree Title and Major Name: Chemical Engineering

Proposal Contact Person Name: Kimberly W. Anderson Phone: 7-4815 Email: kimberly.anderson@uky.edu

INSTRUCTIONS:

Identify the groups or individuals reviewing the proposal; note the date of approval; offer a contact person for each entry; and obtain signature of person authorized to report approval.

Internal College Approvals and Course Cross-listing Approvals:

Reviewing Group	Date Approved	Contact Person (name/phone/email)	Signature
Chemical Engineering Undergraduate Committee	4/5/12	Kim Anderson / 7-4815 / kimberly.anderson@uky.edu	
Department Faculty	4/12/12	Doug Kalika / 7-5507 / douglass.kalika@uky.edu	
College of Engineering	11/02/12	Richard Swiegard / 78827 / richard.swiegard@uky.edu	
		/ /	
		/ /	

External-to-College Approvals:

Council	Date Approved	Signature	Approval of Revision[4]
Undergraduate Council	12/5/12	Joanie Ett-Mims	
Graduate Council			
Health Care Colleges Council			
Senate Council Approval		University Senate Approval	

Comments:

The "Change in Course Form" for CME 470 and the "Drop Course Form" for CME 471 have been submitted on the eCATS system.

[4] Councils use this space to indicate approval of revisions made subsequent to that council's approval, if deemed necessary by the revising council.

CME 470 online form submitted 10/9/12

Courses | Distance Learning | Syllabus | Request Tracking

Course Change Form

https://myuk.uky.edu/sapbc/sosp/dc?services=

Open in full window to print or save

Attachments:

Browse... [redacted]

Select saved project to retrieve... [redacted]

Document Submitted Successfully

NOTE: Start form entry by choosing the Current Prefix and Number
(*denotes required fields)

	Current Prefix and Number:	CME – Chemical Engineering CME 470 – PROFESSIONALISM, ETHICS AND SAFETY	*Proposed Prefix & Number:	

*	What type of change is being proposed?	✓ Major Change Major – Add Distance Learning Minor - change in number within the same hundred series, exception 600-799 is th series* Minor - editorial change in course title or description which does not imply change emphasis Minor - a change in prereq's/site(s) which does not imply a change in course conte which is made necessary by the elimination or significant alteration of the prerequisite Minor – a cross listing of a course as described above

Should this course be a UK Core Course? Yes · No

If YES, check the areas that apply:

Inquiry - Arts & Creativity	Composition & Communications - II
Inquiry - Humanities	Quantitative Foundations
Inquiry - Nat/Math/Phys Sci	Statistical Inferential Reasoning
Inquiry - Social Sciences	U.S. Citizenship, Community, Diversity
Composition & Communications - I	Global Dynamics

1. General Information

a. Submitted by the College of: College of Engineering Today's Date: 10/9/2012

b. Department/Division: Chemical & Materials Engineeri

c.* Is there a change in "ownership" of the course?

Yes · No If YES, what college/department will offer the course instead? Select...

e.* *Contact Person Name: Kimberly Anderson Email: kimberly.anderson@uky.edu Phone: 7-4815

*Responsible Faculty ID (if different from Contact) Email: Phone:

f.* Requested Effective Date: ✓ Semester Following Approval OR Specific Term:[2]

2. Designation and Description of Proposed Course.

a. Current Distance Learning(DL) Status: · N/A
Already approved for DL*
Please Add
Please Drop

*If already approved for DL, the Distance Learning Form must also be submitted unless the department affirms (by checking this box) that the proposed changes do not affect DL de

b.	Full Title:	PROFESSIONALISM, ETHICS AND SAFETY	*Proposed Title:*	Professionalism, Ethics and Safety
c.	Current Transcript Title (if full title is more than 40 characters):	PROFESSIONALISM, ETHICS AND SAFETY		
e.	*Proposed Transcript Title (if full title is more than 40 characters):*			

d.	Current Cross-listing:	✓ N/A	OR	Currently[3] Cross-listed with (Prefix & Number):	none

	Proposed – ADD[3] Cross-listing (Prefix & Number):					
	Proposed – REMOVE[3,4] Cross-listing (Prefix & Number):					
e.	**Courses must be described by at least one of the meeting patterns below. Include number of actual contact hours[4] for each meeting pattern type.**					
Current:	Lecture 1.0	Laboratory[4]	Recitation	Discussion	Indep. Study	
	Clinical	Colloquium	Practicum	Research	Residency	
	Seminar	Studio	Other	Please explain:		
*Proposed:**	Lecture 2.0	Laboratory[4]	Recitation	Discussion	Indep. Study	
	Clinical	Colloquium	Practicum	Research	Residency	
	Seminar	Studio	Other	Please explain:		
f.	**Current Grading System:**	ABC Letter Grade Scale				
	*Proposed Grading System:**	* Letter (A, B, C, etc.) Pass/Fail				
g.	**Current number of credit hours:**	1	*Proposed number of credit hours:**	2		
h.*	**Currently, is this course repeatable for additional credit?**	Yes * N				
*	*Proposed to be repeatable for additional credit?*	Yes * N				
	If YES:	*Maximum number of credit hours:*				
	If YES:	*Will this course allow multiple registrations during the same semester?*	Yes N			
i.	**Current Course Description for Bulletin:**					
	Detailed lectures and supervised discussions on standards of ethics and safety as they relate to the engineering profession. Emphasis wi safety in plant design and safety practice in the laboratory and plant. Sociologic problems inherent with air, water and waste management professional ethics will be addressed.					
*	*Proposed Course Description for Bulletin:*					
	Detailed lectures and supervised discussions on standards of ethics and safety as they relate to the chemical engineering profession. Em will be on safety in plant design and process operations, laboratory safety, hazardous risk management, regulation and oversight.					
j.	**Current Prerequisites, if any:**					
	Prereqs: Engineering standing.					
*	*Proposed Prerequisites, if any:*					
	Engineering Standing. Concurrent CHE 455					
k.	**Current Supplementary Teaching Component, if any:**	Community-Based Experience Service Learning Both				
	Proposed Supplementary Teaching Component:	Community-Based Experience Service Learning				

		Both No Change
3.	Currently, is this course taught off campus?	Yes N
*	*Proposed to be taught off campus?*	Yes N
	If YES, enter the off campus address: Chemical Engineering Program at Paducah	
4.*	Are significant changes in content/student learning outcomes of the course being proposed?	Yes N
	If YES, explain and offer brief rationale:	
	It is proposed to increase CHE 470 from 1 credit to 2 credits. Recent changes in ABET accreditation standards have increased expectation regarding student preparation in the area of chemical process safety and risk management. The proposed increase in contact hours will al expanded treatment of these topics and in-depth exploration via case studies.	
5.	Course Relationship to Program(s).	
a.*	Are there other depts and/or pgms that could be affected by the proposed change?	Yes N
	If YES, identify the depts. and/or pgms:	
	BS Chemical Engineering Program delivered at Engineering Extended Campus in Paducah	
b.*	Will modifying this course result in a new requirement[2] for ANY program?	Yes N
	If YES[2], list the program(s) here:	
	BS in Chemical Engineering	
6.	Information to be Placed on Syllabus.	
a.	Check box if changed to 4000 or 500.	If changed to 4000- or 500-level course you must send in a syllabus and *you must include the differentiation* between undergraduate students by: (i) requiring additional assignments by the graduate students; and/or (ii) establishing different grading criteria in the cours students. *(See SR 3.1.4.)*

[1] See comment description regarding *minor* course change. *Minor changes are sent directly from dean's office to Senate Council Chair. If Chair deems the change as 'not minor,' the form will be sent to appropriate academic Council for normal processing and contact person is informed.*
[2] Courses are typically made effective for the semester following approval. No course will be made effective until all approvals are received.
[3] Signature of the chair of the cross-listing department is required on the Signature Routing Log.
[4] *Removing a cross-listing does not drop the other course – it merely unlinks the two courses.*
[5] Generally, undergrad courses are developed such that one semester hr of credit represents 1 hr of classroom meeting per wk for a semester, exclusive of any lab meeting. Lab meeting generally represents at least two hrs per wk for a semester for 1 credit hour. (See SR 3.2.1)
[6] You must also submit the Distance Learning Form in order for the course to be considered for DL delivery.
[7] In order to change a program, a program change form must also be submitted

Chemical & Materials Engineering
University of Kentucky

CME 470 Professionalism, Ethics and Safety (2) Fall 2013

Course Description: Detailed lectures and supervised discussions on standards of ethics and safety as they relate to the chemical engineering profession. Emphasis will be on safety in plant design and process operations, laboratory safety, hazardous risk management, regulation and oversight. Prerequisites: Engineering standing and concurrent enrollment in CME 455.

Time:	TR 1:00 – 1:50 PM
Location:	ORB 226
Instructor:	Eric A. Grulke
Office:	359 RGAN Bldg.
Phone:	257-6097
Email:	egrulke@engr.uky.edu

Text: Charles B. Fleddermann, Engineering Ethics, Fourth Edition, Prentice Hall, New Jersey, 2011.

Reference text: D.A. Crowl and J.F. Louvar, Chemical Process Safety: Fundamentals with Applications, Second Edition, Prentice Hall, New Jersey, 2002.

Course Objectives/Expected Outcomes:

Graduates with chemical engineering B.S. degrees will be responsible for the formulation, implementation and oversight of safety and risk management procedures in the laboratory and in the chemical industry, and will encounter ethical issues impacting both their employer and the greater community.

At the end of this course, the student should be able to:

1. analyze and evaluate potential and current problems of safety and health in the workplace
2. propose solutions to safety, health or environmental hazards related to the workplace
3. identify and propose solutions for ethical and professional issues for the practicing chemical engineer
4. conduct safety inspections in laboratories and plant facilities; report results and implement solutions
5. locate additional information about safety, ethics and professionalism in the literature (life-long learning)
6. contribute to a multi-disciplinary team to solve professional, ethical and safety problems.

Learning Tools:
Course lectures are a significant learning tool and attendance is important. Homework problems, analysis of journal articles, completion of web modules and case studies will reinforce the concepts of the course. Short, succinct communications are an essential part of a technical career. There will be several assignments for which each team will be required to prepare two-page memoranda that defend technical solutions, present opinions on ethical issues, and address environmental, health or safety issues. Quizzes on current events will be used to motivate life-long learning activities.

Course Grading:

Homework Assignments	40%
Team-Based Memoranda & Case Studies	30%
Quizzes	10%
Final Exam	20%

Grading will be based on each student's composite (raw) score; scores in the range > 90% will be guaranteed a grade of "A", 80% or above at least a "B", 70% or above at least a "C", and 60% or above at least a "D".

Cheating:
The engineering profession is one where individuals are held to the highest ethical and professional standards. Consistent with this philosophy, cheating in CME 470 will not be tolerated. The definition of cheating at the University is presented in the "Student Rights and Responsibilities":

> 6.3.2 CHEATING: Cheating is defined by its general usage. It includes, but is not limited to, the wrongfully giving, taking, or presenting any information or material by a student with the intent of aiding himself/herself or another on any academic work which is considered in any way in the determination of the final grade. Any question of definition shall be referred to the University Appeals Board.

Complete policies and procedures regarding cheating and other academic misconduct can be reviewed at: (http://www.uky.edu/StudentAffairs/Code/)

Course Schedule:

Week:	Module:	Topic:
1	Introduction	Team Selections – Resume Update
2	Process & Plant Safety	Components of Process Safety
3	Process & Plant Safety	Safety Regulations & Standards
4	Process & Plant Safety	Risk Assessment & Risk Management
5	Process & Plant Safety	Toxicology, MSDS; Hazardous Waste Management
6	Process & Plant Safety	Chemical Reactivity Hazards & Explosions
7	Process & Plant Safety	Team Case Study #1 (Plant Safety)
8	Laboratory Safety	Evaluation of Laboratory Safety; Inspections
9	Sustainable Engineering	Sustainable Manufacturing; Ethics of Product Stewardship
10	Sustainable Engineering	Team Case Study #2 (Green Engineering)
11	Ethics & Integrity	Ethics and Personal Career Development
12	Ethics & Integrity	Ethical Issues in the Industrial Setting
13	Ethics & Integrity	Ethical Issues Related to Research
14	Ethics & Integrity	Intellectual Property
15	Ethics & Integrity	Team Case Study #3 (Ethics in Chem. Eng. Practice)

CME 471 Drop Form
Submitted online
10/9/12

Courses | Distance Learning | Syllabus | Request Tracking

Drop Course Form

https://myuk.uky.edu/sap/bc/soap/rfc?services=

Open in full window to print or save

Attachments:

Browse... Upload File

Select saved project to retrieve... Get New

Document Submitted Successfully

(* denotes required fields)

- Course Information.
  - a.* Course Prefix and Number:
    - CME - Chemical Engineering
    - CME 471 SEMINAR
  - b. Course Title: SEMINAR
  - c. Credit Hours: 1.0
  - d.* Submitted by the College of: College of Engineering Today's Date: 10/9/2012
  - e.* Department/Division: Chemical & Materials Engineeri
  - f.
    - * Contact Person Name: Kimberly Anderson Email: kimberly.anderson@uky.edu Phone: 7-4815
    - * Responsible Faculty ID (if different from Contact) Email: Phone:
- Effective Date[1] of Drop:* Semester Following Approval OR Specific Term Select...
- Cross-listing
  Cross-listed course prefix and number: none

  Should the cross-listed course(s) also be dropped[2]? Yes No

  Explain, if necessary:
- Why is this course being dropped?*
  This one credit course is focused on the development of oral communication skills. The recent launch of UKCore, and the emphasis on communication, has rendered this course somewhat redundant. In addition to the exposure to oral communication in CIS/WRD 110 and 111, we continue to emphasize technical oral communication in upper-division laboratory courses and in the capstone design course.
- Will dropping this course change the requirements[4] for any program?* Yes No

  If YES[4], list the program(s) here: Chemical Engineering
- Has the course been taken by a significant number of students in other colleges/depts?* Yes No

  If YES, list the colleges/departments:

  If YES, what provision has been made for meeting the needs of these students?
- Is this course currently included in the University Studies Program?* Yes No

[1] The effective date for a dropped course is *the first term when the course is not available*, NOT the last term the course is offered.