

SENATE CURRICULUM COMMITTEE
MINOR CURRICULAR CHANGE FORM

2

PROPOSAL TITLE: HEGIS number change of Chemical Reaction Engineering

UNDERGRADUATE

GRADUATE

CREDIT HOURS

SPONSOR(S): Dr. C. Stewart Slater
DEPARTMENT: Chemical Engineering
TELEPHONE: X4361

CHECK:

CHANGES IN APPROVED MINORS, SPECIALIZATIONS, CONCENTRATIONS

CATALOG DESCRIPTIONS, TITLES, AND/OR PREREQUISITES

SMALL CHANGES IN COURSE CONTENT OF EXISTING COURSES WHICH DO NOT SUBSTANTIALLY VARY THE CURRICULUM

CHANGES IN HEGIS NUMBER

STEP #1 (DEPARTMENT)

Date Approved: 1/30/98

Date NOT Approved: _____

Robert P. Herbeth 1/30/98

Dept. Curriculum Chairperson signature/date

[Signature] 1-30-98

Dept. Chairperson signature/date

STEP #2 (COLLEGE)

Recommend To Approve/date: 1/30/98

Recommend NOT To Approve/date: _____

Comments: _____

Robert P. Herbeth

College Curriculum Chairperson Signature /date

STEP #3 (ACADEMIC DEAN)

Recommended

NOT Recommended

[Signature] 2/19/98

Dean of College Signature/date

STEP #4 (CURRICULUM COMMITTEE)

SCC# 9798-237
2-17-98

OH. 4-17-98
Ann. Sen. 4/28/98

APPROVED:

NOT APPROVED:

[Signature] 5/1/98

Curriculum Committee Chairperson Signature/date

STEP #5 EXECUTIVE VP/PROVOST

Approved

NOT Approved

[Signature] 5/18/98

Signature /Date

REGISTRARS SIGNATURE/DATE:

Robert A. Kulot 5/21/98

Minor Change

1. Details:

- a) Change:** Change HEGIS number of Chemical Reaction Engineering from 0906.402 to 0906.316.

Current

Chemical Reaction Engineering, 3 s.h., (0906.402), Junior year, Spring semester

New

Chemical Reaction Engineering, 3 s.h., to 0906.316, Junior year, Spring semester

- b) Sponsor:** Dr. C. Stewart Slater, and Department of Chemical Engineering Curriculum Committee
- c) Credit Hours** 3 semester hours
- d) Course Level:** Undergraduate
- e) Curricular Effect:** Requirement for Chemical Engineering students
- g) Suggested Time/** Spring 1999
- Scale of Implementation:** 1 section
- h) Resources:** No additional resources will be needed for this minor change

2. Rationale:

The proposed change is consistent with the revised Chemical Engineering Curriculum approved by the Senate Curriculum Committee in December. In that change, Chemical Reaction Engineering was moved from Senior Fall to Junior Spring and we neglected to change the HEGIS number to reflect the move.

3. Results of Consultations:

The other Departments in the College of Engineering concur with the change. This course does not impact any other engineering or science program.

CHEMICAL ENGINEERING CURRICULUM - steady state

1/12/98

revised by ChE Curriculum Committee (R.P. Hesketh, Z. Otero-Keil, C.S. Slater)

SHEET 8

FIRST YEAR

Composition I	3	Calculus II	4
Calculus I	4	Computer Sci & Program.	4
Chemistry I	4	Fresh. Engineering Clinic II	2
Fresh. Engineering Clinic I	2	Physics I	4
General Education	3	General Education	3
Total	16	Total	17

SECOND YEAR

Principles Chemical Processes I	2	Math for Engineering Anal II	4
Math for Engineering Anal I	4	Principles Chemical Processes II	2
Physics II or Biology I	4	Fluid Mechanics I	2
Chemistry II	4	Soph. Engineering Clinic II	4
Soph. Engineering Clinic I	4	Organic Chemistry I	4
Total	18	Total	16

THIRD YEAR

Microeconomics	3	General Education	3
Process Fluid Transport	2	Chem. Engineering Thermo.	3
Transfer Processes I - Heat	2	Junior Engineering Clinic II ³	3
Transfer Processes II - Mass	2	Chemical Reaction Engineering	3
Engineering Materials I	2	Separation Processes	4
Physical Chemistry I	3		
Junior Engineering Clinic I ³	3		
Total	17	Total	16

FOURTH YEAR

Unit Operations	3	Process Dynamics & Control	3
Approved Chem. Eng. Elec. I ²	3	Approved Chem. Eng. Elec. II ²	3
Senior Engineering Clinic I ³	3	Senior Engineering Clinic II ³	3
Chem. Process Component Design	4	Approved Chemistry Elective ¹	3
General Education	3	Chemical Plant Design	3
Total	16	Total	15

TOTAL 131

Notes:

1. Required/Approved Courses taken to satisfy ABET category of "Advanced Chemistry "

May be exchanged with ChE Elective in Fall.

Course must come from a list of approved courses provided by the Ch.E. Chair.

2. Required/Approved courses taken to satisfy Chemical Engineering ABET categories/ AIChE electives.

Courses must be taken from a list of approved courses provided by the Ch.E. Chair.

One of these courses must have substantial advanced science content.

Technical electives may be taken in either semester of Senior year.

3. Junior/Senior Clinics: Junior Clinic include a Chemical Engineering process component

Senior Clinics are chemical engineering research experiences.

Senior projects must be approved by a ChE Projects Committee and are writing intensive (WI) courses.

CHEMICAL ENGINEERING CURRICULUM - Interim 2001

1/12/98

revised by ChE Curriculum Committee (R.P. Hesketh, Z. Otero-Keil, C.S. Slater)

SHEET 10

FIRST YEAR

Composition I	3	Calculus II	4
Calculus I	4	Computer Sci & Program.	4
Chemistry I	4	Fresh. Engineering Clinic II	3
Fresh. Engineering Clinic I	3	Physics I	4
General Education	3	General Education	3
Total	17	Total	18

SECOND YEAR

Principles Chemical Processes I	2	Math for Engineering Anal II	4
Math for Engineering Anal I	4	Principles Chemical Processes	2
Physics II or Biology I	4	Fluid Mechanics I	2
Chemistry II	4	Soph. Engineering Clinic II	4
Soph. Engineering Clinic I	4	Organic Chemistry I	4
Total	18	Total	16

THIRD YEAR

Microeconomics	3	General Education	3
Process Fluid Transport	2	Chemical Engineering Thermo.	3
Transfer Processes I - Heat	2	Junior Engineering Clinic I ³	3
Transfer Processes II - Mass	2	Chemical Reaction Engineering	3
Engineering Materials I	2	Separation Processes	4
Physical Chemistry I	3		
Junior Engineering Clinic I ³	3		
Total	17	Total	16

FOURTH YEAR

Unit Operations	3	Process Dynamics & Control	3
Approved Chem. Eng. Elec. I ²	3	Approved Chem. Eng. Elec. II ²	3
Senior Engineering Clinic I ³	3	Senior Engineering Clinic II ³	3
Chem. Process Component Design	4	Approved Chemistry Elective ¹	3
General Education	3	Chemical Plant Design	3
Total	16	Total	15

TOTAL 133

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CHEMICAL ENGINEERING CURRICULUM - Interim 2000

1/12/98

revised by ChE Curriculum Committee (R.P. Hesketh, Z. Otero-Keil, C.S. Slater)

SHEET 9

FIRST YEAR

Composition I	3	Calculus II	4
Calculus I	4	Computer Sci & Program.	4
Chemistry I	4	Fresh. Engineering Clinic II	3
Fresh. Engineering Clinic I	3	Physics I	4
General Education	3	General Education	3
Total	17	Total	18

SECOND YEAR

		Principles Chemical Processes I	2
		Math for Engineering Anal II	4
General Education	3	Principles Chemical Processes II	2
Math for Engineering Anal I	4	Fluid Mechanics I	2
Physics II or Biology I	4	Soph. Engineering Clinic II	1
Chemistry II	4	Public Speaking	3
Soph. Engineering Clinic I	3	Organic Chemistry I	4
Total	18	Total	18

THIRD YEAR

Process Fluid Transport	2	Microeconomics	3
Transfer Processes I - Heat	2	Chemical Engineering Thermo.	3
Transfer Processes II - Mass	2	Junior Engineering Clinic II ³	3
Engineering Materials I	2	Chemical Reaction Engineering	3
Physical Chemistry I	3	Separation Processes	4
Junior Engineering Clinic I ³	3		
Total	14	Total	16

FOURTH YEAR

Unit Operations	3	Process Dynamics & Control	3
Approved Chem. Eng. Elec. I ²	3	Approved Chem. Eng. Elec. II ²	3
Senior Engineering Clinic I ³	3	Senior Engineering Clinic II ³	3
Chem. Process Component Design	4	Approved Chemistry Elective ¹	3
General Education	3	Chemical Plant Design	3
Total	16	Total	15

TOTAL 132

Notes:

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