

TO: The Faculty of the College of Engineering
FROM: The Davidson School of Chemical Engineering
RE: Change in Credits for CHE 20000 & 30000

The faculty of the Davidson School of Chemical Engineering has approved the following change in credits for the CHE 20000 Sophomore Seminar & CHE 30000 Junior Seminar Courses. This action is now submitted to the Engineering Faculty with a recommendation for approval.

From: (0cr) CHE 20000 Sophomore Seminar
To: (1cr) CHE 20000 Sophomore Seminar

And

From: (0cr) CHE 30000 Junior Seminar
To: (1cr) CHE 30000 Junior Seminar

Reason: To maintain consistency within our program, and to stress the value and importance of the required professional development seminars we are seeking to have our three seminar courses be of equal value of 1 credit each. Currently, CHE 40000 Senior Seminar is the only seminar course where students earn 1 credit. Also with the adjustment in credit hours required for Written Communication (EFD 38-17) and Math Selective I (EFD 39-17), the excess credit would be absorbed by the CHE 20000 Sophomore and CHE 30000 Junior Seminar to ensure our students meet the 130 credit hours required to fulfill ChE degree requirements. With the addition of this credit to Fall 2nd Year in the current course mappings bringing the semester total credits to 19, we have elected to move the General Education Elective I: Humanities to Fall 4th Year to bring Fall 2nd Year total credits to 16 and Fall 4th Year credits to a total of 17.



David Corti, Executive Officer

For Sangtae Kim, Jay and Cynthia Ihlenfeld Head
School of Chemical Engineering

Current Program Requirements:**Fall 1st Year**

(4cr) MA 16500 Analytic Geometry & Calculus I
 (4cr) CHM 11500 General Chemistry I
 (3cr) Written Communication
 (2cr) ENGR 13100 Transforming Ideas to Innovation I
 13 Credits

Spring 1st Year

(4cr) MA 16600 Analytic Geometry & Calculus II
 (4cr) CHM 11600 General Chemistry II
 (4cr) PHYS 17200 Modern Mechanics OR ENGR 16200
 Honors Creativity and Innovation in Engineering Design II
 (3cr) Oral Communication
 (2cr) ENGR 13200 Transforming Ideas to Innovation II
 17 Credits

Fall 2nd Year

(1cr) CHE 20000 ChE Sophomore Seminar
 (4cr) CHE 20500^{CC} ChE Calculations
 (3cr) CHM 26100 Organic Chemistry I
 (1cr) CHM 26300 Organic Chemistry Laboratory I
 (3cr) MA 26100 Multivariate Calculus
 (3cr) PHYS 24100 Electricity & Optics
 (3cr) General Education Elective I: Humanities
 19 Credits

Spring 2nd Year

(4cr) CHE 21100^{CC} Intro to ChE Thermodynamics
 (3cr) CHE 32000^{CC} Statistical Modeling & Quality
 Enhancement
 (3cr) CHM 26200 Organic Chemistry II
 (1cr) CHM 26400 Organic Chemistry Laboratory II
 (3cr) Math Selective I
 (3cr) General Education Elective II: BSS
 17 Credits

Fall 3rd Year

(3cr) CHE 30600^{CC} Design of Staged Separation
 Processes
 (4cr) CHE 37700^{CC} Momentum Transfer
 (3cr) CHM 37000 Physical Chemistry
 (3cr) Math Selective II
 (3cr) Biology Selective
 16 Credits

Spring 3rd Year

(0cr) ChE Junior Seminar
 (4cr) CHE 37800^{CC} Heat & Mass Transfer
 (4cr) CHE 34800^{CC} Chemical Reaction Engineering
 (3cr) Technical Selective
 (3cr) Engineering Selective
 (3cr) General Education Selective III: STS
 17 Credits

Proposed Program Requirements:**Fall 1st Year**

Same
 Same
 Same
 Same
 Same

Spring 1st Year

Same
 Same
 Same
 Same
 Same
 Same
 Same

Fall 2nd Year

(1cr) CHE 20000 ChE Sophomore Seminar
 Same
 Same
 Same
 Same
 Same
 (Moved to Fall 4th Year)
 16 credits

Spring 2nd Year

Same
 Same
 Same
 Same
 Same
 Same
 Same

Fall 3rd Year

Same
 Same
 Same
 Same
 Same

Spring 3rd Year

(1cr) ChE Junior Seminar
 Same
 Same
 Same
 Same
 Same
 18 credits

Fall 4th Year

(1cr) CHE 40000 ChE Senior Seminar
(3cr) CHE 45600 Process Dynamics & Control
(4cr) CHE 43500 ChE Laboratory
(3cr) CHE 42000 Process Safety Management
(3cr) General Education Elective IV

14 Credits

Spring 4th Year

(4cr) CHE 45000 Design & Analysis of Processing
Systems
(3cr) Chemical Engineering Selective
(3cr) Engineering Selective
(3cr) General Education Elective V
(3cr) General Education Elective VI
16 Credits

Note

2.0 Graduation GPA required for Bachelor of Science degree.

Students must earn a "C" or better in CHE 20500 to enroll in any other CHE course.

Students must earn a "C-" or better in CHE 21100, 30600, 32000, 34800, 37700, 37800 to enroll in upper level CHE courses.

130 semester credits required for Bachelor of Science degree in Chemical Engineering.

Students may take General Education Elective IV, V, and VI for a letter grade or pass/no pass option.

3 credits of CHE 41100, 41200, 49800 or 49900 may be used to complete the Chemical Engineering Selective.

3 credits of CHE 41100, 41200, 49800, or 49900 may be used to complete the Engineering or Technical Selective.

Degree Requirement

The student is ultimately responsible for knowing and completing all degree requirements.

The myPurduePlan powered by DegreeWorks is the knowledge source for specific requirements and completion.

Critical Course

The ^{CC} course is considered critical. A Critical Course is one that a student must be able to pass to persist and succeed in a particular major.

Fall 4th Year

Same
Same
Same
Same
Same
(3cr) General Education Elective I: Humanities
17 Credits

Spring 4th Year

Same (4cr)
Same
Same
Same
Same
Same

Note

Same

Degree Requirement

Same

Critical Course

Same