Biology Selective (3 credits)

(3) BIOL 23000 Biology of the Living Cell (CHM 11600 & MA 16200)
(3) BIOL 23100 Biology III: Cell Structure and Function (BIOL 11100 & CHM 11600)
(3) *CHEM 33900: Biochemistry: A Molecular Approach (CHM 26200)
(3) *CHEM 43300 Biochemistry or CHEM 53300 Introductory Biochemistry (Junior Classification, CHM 26200, CHM 32100)
(3) BCHEM 30700 Biochemistry (CHM 26200)
(3) *BCHM 56100 General Biochemistry I (Sophomore 45-59 Classification, CHM 26200)

*Students minoring in Chemistry can take CHEM 33900/ CHEM 53300/ BCHM 56100 to fulfill both minor requirements and the CHE Bio Selective.

Chemical Engineering Selective (3 credits)

(3) ABE 58000 Process Engineering of Renewable Resources
(3) CHEM 33000 Principles of Molecular Engineering (CHE 21100)
(3-1) CHEM 41100 CHE Research (Junior Classification, Instructor Permission)
(3-1) CHEM 41200 CHE Design Research Problems (Junior Classification, Instructor Permission)
(3) CHEM 44200 Chemical Engineering and High Polymers (CHM 26200 & CHM 37000)
(3) CHEM 46100 Biomedical Engineering
(3) CHEM 46300 Applications of CHE Principles (CHE 37800)
(3) CHEM 49700 Course Titles Vary
(3) CHEM 49800 Undergrad Thesis Research I (Instructor Permission & Admission to CHE Honors Program)
(3) CHEM 49900 Undergrad Thesis Research II (Instructor Permission & Admission to CHE Honors Program)
(3) CHEM 500 level course

*Students cannot earn credit in both CHEM 52500 and ABE 58000

*CHEM offers multiple CHE 49700 & 59700 courses which can be identified by course title -- refer to the Schedule of Classes for current offerings

CHEM 49700 Chemical Eng Study Abroad does not count for CHE Elective – rather a Technical Selective or General Education Elective

Chemistry Selective (2 credits)

(3) CHEM 40100 Co-Op Seminar II (Co-Op Students only)
(3) Any Chemical Engineering Selective
(3) Any AA/E, AB, BE, CE, CEM, ECE, IE, MSE, ME AND NUCL course. (Must meet pre-req listed in MyPurdue to enroll)

*The following courses DO NOT count in CHE: ABE 20100, 21000, 30600, 37000, IE 23000, 33000 and ME 30900, 35100

*CHEM 49700 Chemical Eng Study Abroad does not count for an ENGR Elective – rather a Technical Selective or General Education Elective

Math Selective (6-7 credits)

(3) Math Selective I: MA 26500 Linear Algebra (MA 26100 Minimum Grade of C-)
(4) Math Selective II: MA 36600 Ordinary Differential Equations (MA 26100 & 26500 Minimum Grade of C-)
(3) MA 26600 Ordinary Differential Equations (MA 26100 Minimum Grade of C-)
(3) MA 35100 Linear Algebra (MA 26100 Minimum Grade of C-)
(3) MA 36600 Ordinary Differential Equations (MA 26100 & 26500 Minimum Grade of C-)
(3) MA 51400 Numerical Analysis (Junior Classification)
(3) ME 58100 Numerical Methods in Mechanical Engineering (Junior Classification, ME 31500 & 35200)

*Suggested courses for students pursuing a minor or dual major in math

Technical Selective (3 credits)

(3) BCHM – Any biochemistry course excluding BCHM 307 & 56100 if used for Biology Selective
(3) BIOL – Any biology course excluding 11000, 13500, 14600 and 14700
(3) CHEM 49700 Chemical Engr Study Abroad
(3) CHM 22400 Intro to Quantitative Analysis (CHM 11600)
(3) CHM 24100 Intro to Inorganic Chemistry
(3) CHM 32100 Analytical Chemistry I (CHM 11600)
(3) CHM 32300 Analytical Chemistry I (CHM 11600)
(3) CHM 34200 Inorganic Chemistry
(4) CHM 42400 Analytical Chemistry (CHEM 21100 & CHM 37000)
(3) CHM – Any chemistry course above 42400
(3) CS – Any computer science course
(3) EAPS – Any Earth and Atmospheric Science course
(3) EPS – Any 3 credit hours of Epics
(3) Engineering Selective – Any Engineering Selective
(3) GEP – Any 3 credit hours of Global Engineering Programs 20000 and above
(3) MGMT 20000 Introductory Accounting or MGMT 20010 Business Accounting
(3) MGMT 24300 Minorities in Management
(3) MATH – MA 30100, 30800, 34100, 35300, 36200, 37000 and any course above 37300
(3) IPHP 56200 Intro to Pharma Manufacturing Processes
(3) HSOP 50100 Food and Drug Law I
(3) PHYS – Any physics course 30000 or above
(3) STAT – Any statistic course 51100 or above

Prerequisites are listed in italics.
CHE General Education Selective Core Requirements

For a complete listing of course options for the Behavioral Social Science Selective, Humanities Selective, and Science, Technology & Society Selective, please visit the Provosts website.

For the General Education Selective, students must complete any course in the approved subjects below offered by the College of Liberal Arts, the Krannert School of Management and/or the Honors College, provided the course is open to students in the offering department and the student qualifies to take the course.

For the Upper Level General Education Selectives, students must complete courses in the approved subjects below at the 30000 level or above, or from courses with a required prerequisite in the same department.

Approved subjects in these colleges include:
AAS, AD, AGEC, AMST, ANTH, ARAB, ASAM, ASL, CHNS, CLCS, CMPL, COM, CSR, DANC, ECON, ENGL, ENTR, FLL/LC, FR, FS, GER, GREK, HDFS, HEBR, HIST, HONR, IDIS, ITAL, JWST, JPNS, LALS, LATN, LING, MARS, MGMT, MUS, NUTR 30300, OBHR, PHIL, POL, PSY, PTGS, REL, RUSS, SLHS, SOC, SPAN, THTR, TLI, WGSS