

INSTITUTE OF TECHNOLOGY REQUIREMENTS: Consider Century Instructor Tim Grebner (Engineering) and Century counselors as resources.

***In addition to the Liberal Education and premajor requirements, students must satisfy the High School Preparation requirements. See the H. S. requirements sheet with the U of M transfer guides.**

CENTURY COURSES THAT SATISFY REQUIREMENTS FOR THE INSTITUTE OF TECHNOLOGY:

Engl 1021 and 1022 will cover the MnTC writing requirement plus 2 writing intensive courses at the U of M.

Math 1081, 1082, 2081, 2082

Physics 1081 and 1082 (This Physics sequence is not required for a Statistics major)

Biology and Chemistry requirements vary with each major. See other side.

Engr. 1020-Ben Koch, the IT Transfer Admissions Counselor, strongly recommends students take this course at Century College prior to transfer.

For other requirements, see other side.

LIBERAL EDUCATION AND SECOND LANGUAGE REQUIREMENTS:

These courses are Institute of Technology graduation requirements and are not required for admission.

Liberal Education – May be met by completing Century’s Minnesota Transfer Curriculum (MnTC) or the current AA degree. Students with a 1986-87 through 1994-95 version of the AA must also complete the Designated Themes requirement on the U of M Liberal Education guide sheet, found in the Century College Counseling Center.

Second Language - Students who graduated from high school in 1987 and thereafter must either have two years of the same language in high school or two semesters at the college level. See U of M High School Preparation Requirements Guide.

ADMISSION INFORMATION: Students should consult with IT Admissions (Ben Koch) for current admission requirements which will be based on cumulative grade point average, major program, grades in science, math and technical prerequisites, space availability, and state or country of residency. Transfer students are encouraged to remain at their institution and complete as much lower division work as possible, esp. chemistry before entering IT.

DEADLINE FOR TRANSFER STUDENTS: The spring semester deadline is October 15. Deadline for Fall Semester, 2009 is priority, March 1 and final deadline is June 1, 2009. Students will be pooled and the best qualified will be admitted, up to the capacity of each major department programs. Selection criteria include cumulative grade point average grades in math, physical science, computer science and engineering and available space.

STUDENTS ARE ENCOURAGED TO SEE AN IT ADVISOR EARLY IN THEIR ACADEMIC PLANNING.

CONTACT PERSONS:

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See these websites:

Course equivalencies: www.it.umn.edu/admissions/equiv

Transfer Plan: www.it.umn.edu/admissions/transfer/credit.html

MAJOR PROGRAM REQUIREMENTS:

These are the “technical” courses that IT recommends students complete before applying for transfer. You may apply before completing all the courses. Numbers in () and italics are U of M courses satisfied by courses at Century College.

Engineering Majors:

Aerospace Engineering: Chem 1041 (1021) Csci 1081 (1113) or 2020 (1103) Engr 1020 (Tr.) 1080 (AEM 2011), 2080 (AEM 2012), 2085 (AEM 3031) (combination of 2091& 2094 is equivalent to EE 3005, 3006) Math 1081 (1271), 1082 (1272), 2081 (2263), 2082 (2243) Phys 1081 (1301), 1082 (1302), 2081 (2503)

Biomedical Engineering: Chem 1041 (1021), 1042 (1022), 2041 (2301) Csci 1081 (BMEN 2401), Engr. 1020 (Tr.) Math 1081 (1271), 1082 (1272), 2025 (STAT 3021), 2081 (2263), 2082 (2243) Phys 1081 (1301), 1082 (1302)

BioProducts and Biosystems Engineering: Biol 1041(1009), Chem 1041 (1021), 1042 (1022), Engr. 1020 (Tr.), 1080(AEM 2011),2080 (AEM 2012) and 2085 (AEM 3031) in lieu of BBE 3001, Math 1081 (1271), 1082 (1272) , 2081 (2263), 2082 (2243), Phys 1081 (1301), 1082 (1032)

Courses for a particular emphasis:

Bioproducts Engineerings Emphasis: Chem 2041 (2301), 2042 (2302,2311)* *Indicates classes may be counted as technical electives.

Bioprocessing and Food Engineering Emphasis: Chem 2041(2301),2042 (2302,2311)*, Engr 2091+2094(EE 3005/3006), Math 2025(Stat 3021)

Environmental & Ecological Engineering Emphasis: Engr 2091+2094 (EE 3005/3006), Math 2025 (Stat 3021)

Chemical Engineering: Chem 1041 (1021), 1042 (1022), 2041 (2301), 2042 (2302, 2311) Engr 1020 (Tr) Math 1081 (1271), 1082 (1272), 2081 (2263), 2082 (2243) Phys 1081 (1301), 1082 (1302)

CHEN 2001 – Material and Energy Balances is now a fall semester class (no longer offered in the summer) and it is a prerequisite class for the junior sequence. If a student transfers to the U of M after the freshman year, they will take the same classes as sophomores in Chemical Engineering and the students should graduate in three years. A student transferring after two years will take Physical Chemistry, CHEN 4001, and perhaps a few other classes. It will take the student three years to graduate.

Civil Engineering: Chem 1041 (1021), 1042 (1022) Engr 1020 (may be used as technical elective),1080 (AEM 2011), 2080 (AEM 2012), 2085 (AEM 3031) Math 1081 (1271), 1082 (1272), 2025(CE3102), 2081 (2263), 2082 (2243), Phys 1081 (1301), 1082 (1302)

Computer Engineering: Csci 1081 + 1082+ 2082+ 2090 (1901+1902), 2014 (2011), 2060 (4061), Engr 1020 (Tr.), 2091(EE 2001/ 2002), 2092 (EE 2011), 2095 (EE2301) Math 1081 (1271), 1082 (1272), 2081 (2263), 2082 (2243) Phys 1081 (1301), 1082 (1302)

Electrical Engineering: Chem 1041 (1021) Csci 1081 (1301) Engr 1020 (Tr.), 2091 (EE 2001/ 2002), 2092 (EE 2011), 2095 (EE2301) Math 1081 (1271), 1082 (1272), 2081 (2263), 2082 (2243) Phys 1081 (1301), 1082 (1302), Chem 1042 (1022) **OR** Phys 2081 (2303)

Geological Engineering: Chem 1041 (1021), 1042 (1022), Engr 1020 (Tr.), 1080 (AEM 2011), 2080 (AEM 2012), 2085 (AEM 3031) Math 1081 (1271), 1082 (1272), 2025 (Stat3021), 2081 (2263), 2082 (2243) Esci 1030 (Geo 1001) Phys 1081 (1301), 1082 (1302)

Materials Science Engineering: Chem 1041 (1021), 1042 (1022), 2041 (2301) Engr 1020 (Tr.),1080 (AEM 2011), 2085 (AEM 3031) Math 1081 (1271), 1082 (1272), 2081 (2263), 2082 (2243) Phys 1081 (1301), 1082 (1302), Phys 2081 (2303)

Mechanical Engineering: Chem 1041 (1021) Csci 1081 (1113) Engr 1020 (ME 2011), 1080 (AEM 2011), 2080 (AEM 2012), (1080 & 2080 together equals AEM 2021) 2085 (AEM 2031) (combination of 2091 & 2094 is equivalent to EE 3005/ 3006) Math 1081 (1271), 1082 (1272), 2081 (2263), 2082 (2243) Phys 1081 (1301), 1082 (1302)

Math, Computer Science, Physical Sciences

Astrophysics: Math 1081 (1271), 1082 (1272), 2081 (2263), 2082 (2243) Phys 1070 and 1075 (Ast 1001 Lec & Lab), 1081 (1301), 1082 (1302), 2081 (2303)

Chemistry: Chem 1041 (1021), 1042 (1022), 2041 (2301), 2042 (2302, 2311) Math 1081 (1271), 1082 (1272), 2081 (2263), Phys 1081 (1301), 1082 (1302), Math 2082 (2243) **OR** Math 2025 (STAT 3021), **OR** Phys 2081 (2303)

Computer Science: Csci 1081+2020 (1901), 2012 (Tr), 2014 (2011), 2016 (2021), 2020 (1103), 2031(2031), 2040 (1902), 2060 (4061) Math 1081 (1271), 1082 (1272), 2025 (3021),2082 (2243) Phys 1081 (1301), 1082 (1302)

Geology/Geophysics: Chem 1041 (1021), 1042 (1022) Math 1081 (1271), 1082 (1272), 2081 (2263), 2082 (2243) Esci 1030 (Geo 1001), 1060 (Geo 1006), Phys 1081 (1301), 1082 (1302), 2081(in lieu of 2503 for geophysics)

Mathematics: Csci 1081 (1113) or 2020 (1103) Math 1081 (1271), 1082 (1272), 2081 (2263), 2082 (2243) Phys 1081 (1301), 1082 (1302), 2081 (2303)

Physics: Math 1081 (1271), 1082 (1272), 2081 (2263), 2082 (2243) Phys 1081 (1301), 1082 (1302), 2081 (2303)

Statistics: **Biol. 1041 (1009)** **Chem 1041 (1021), 1042 (1022)** Csci 1081 (1113) or 2020 (1103) Math 1081 (1271), 1082 (1272), 2081 (2263), 2082 (2243) **Phys 1081 (1301), 1082 (1302), Pick three underlined courses**