

# Century College

## Three Year Civil Engineering Program

Year One		Year Two		Year Three	
Fall :	Spring :	Fall :	Spring :	Fall :	Spring :
Math 1061 (3) <i>College Algebra I</i>	Math 1062 (4) <i>College Alg II w Trig</i>	Math 1081 (5) <i>Calculus I</i>	Math 1082 (5) <i>Calculus II</i>	Math 2081 (5) <i>Multivariable Calculus</i>	Math 2082 (5) <i>Lin. Alg. Diff. Eq.</i>
Chem 1041 (5) <i>Chemistry I</i>	Chem 1042 (5) <i>Chemistry II</i>	Phys 1081 (5) <i>Physics I</i>	Phys 1082 (5) <i>Physics II</i>	Engr 2080 (3) <i>Dynamics</i>	Engr 2085 (3) <i>Deform. Body Mech</i>
Engr 1020 (4) <i>Intro to Engineering</i>	<i>Liberal education elective</i>	<i>Liberal education elective</i>	Engr 1080 (3) <i>Statics</i>	<i>Liberal education elective</i>	Math 2025 (4) <i>Prob and Statistics</i>
<i>Liberal education elective</i>	<i>Liberal education elective</i>	<i>Liberal education elective</i>	<i>Liberal education elective</i>	<i>Liberal education elective</i>	<i>Liberal education elective</i>

## Two Year Civil Engineering Program

Year One		Year Two	
Fall :	Spring :	Fall :	Spring :
Math 1081 (5) <i>Calculus I</i>	Math 1082 (5) <i>Calculus II</i>	Math 2081 (5) <i>Multivariable Calculus</i>	Math 2082 (5) <i>Lin Alg Diff. Eq</i>
Phys 1081 (5) <i>Physics I</i>	Phys 1082 (5) <i>Physics II</i>	Engr 2080 (3) <i>Dynamics</i>	Engr 2085 (3) <i>Deform Body Mech</i>
Engr 1020 (4) <i>Intro to Engineering</i>	Engr 1080 (3) <i>Statics</i>	Chem. 1041 (5) <i>Chemistry I</i>	Chem 1042 (5) <i>Chemistry II</i>
<i>Liberal education elective</i>	<i>Liberal education elective</i>	<i>Liberal education elective</i>	Math 2025 (4) <i>Prob and Statistics</i>

### Notes:

- If students place into Math 0070 then Math 0070 will be taken fall semester first year. Math 1061 and Math 0090 will be taken in the spring of first year. Math 1062 will be taken in the summer.
- Engr 1020 is not required but can be used as a technical elective.

# Century College

## Three Year Chemical Engineering Program

Year One		Year Two		Year Three	
Fall :	Spring :	Fall :	Spring :	Fall :	Spring :
Math 1061 (3) <i>College Algebra I</i>	Math 1062 (4) <i>College Alg II w Trig</i>	Math 1081 (5) <i>Calculus I</i>	Math 1082 (5) <i>Calculus II</i>	Math 2081 (5) <i>Multivariable-Calculus</i>	Math 2082 (5) <i>Lin. Alg. Diff. Eq.</i>
Chem 1041 (5) <i>Chemistry I</i>	Chem 1042 (5) <i>Chemistry II</i>	Chem 2041 (5) <i>Organic Chemistry I</i>	Chem 2042 (5) <i>Organic Chemistry II</i>	Phys 1081 (5) <i>Physics I</i>	Phys 1082 (5) <i>Physics II</i>
Engr 1020 (4) <i>Intro to Engineering</i>	<i>Liberal education elective</i>	<i>Liberal education elective</i>	<i>Liberal education elective</i>	<i>Liberal education elective</i>	<i>Liberal education elective</i>
<i>Liberal education elective</i>	<i>Liberal education elective</i>	<i>Liberal education elective</i>	<i>Liberal education elective</i>	<i>Liberal education elective</i>	<i>Liberal education elective</i>

## Two Year Chemical Engineering Program

Year One		Year Two	
Fall :	Spring :	Fall :	Spring :
Math 1081 (5) <i>Calculus I</i>	Math 1082 (5) <i>Calculus II</i>	Math 2081 (5) <i>Multivariable Calculus</i>	Math 2082 (5) <i>Lin Alg Diff. Eq</i>
Chem. 1041 (5) <i>Chemistry I</i>	Chem 1042 (5) <i>Chemistry II</i>	Chem 2041 (5) <i>Organic Chemistry I</i>	Chem 2042 (5) <i>Organic Chemistry II</i>
Phys 1081 (5) <i>Physics I</i>	Phys 1082 (5) <i>Physics II</i>	<i>Liberal education elective</i>	<i>Liberal education elective</i>
<i>Liberal education elective</i>	<i>Liberal education elective</i>	<i>Liberal education elective</i>	<i>Liberal education elective</i>

### Notes:

- If students place into Math 0070 then Math 0070 will be taken fall semester first year. Math 1061 and Math 0090 will be taken in the spring of first year. Math 1062 will be taken in the summer.
- Engr 1020 is not required but strongly recommended by Century College and the University of Minnesota.
- CHEN 2001 – Material and Energy Balances is now a fall semester class at the U of M 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 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.

# Century College

## Three Year Electrical Engineering Program

Year One		Year Two		Year Three	
Fall :	Spring :	Fall :	Spring :	Fall :	Spring :
Math 1061 (3) <i>College Algebra I</i>	Math 1062 (4) <i>College Alg II w Trig</i>	Math 1081 (5) <i>Calculus I</i>	Math 1082 (5) <i>Calculus II</i>	Math 2081 (5) <i>Multivariable-Calculus</i>	Math 2082 (5) <i>Lin. Alg. Diff. Eq.</i>
Chem 1041 (5) <i>Chemistry I</i>	Chem 1042 (5) <i>Chemistry II</i>	Phys 1081 (5) <i>Physics I</i>	Phys 1082 (5) <i>Physics II</i>	Engr 2091 (4) <i>Circuits I</i>	Engr 2092 (4) <i>Circuits II</i>
Engr 1020 (4) <i>Intro to Engineering</i>	<i>Liberal education elective</i>	CSci 1081 (3) <i>Programming Fund</i>	<i>Liberal education elective</i>	<i>Liberal education elective</i>	Engr 2095 (4) <i>Digital Design</i>
<i>Liberal education elective</i>	<i>Liberal education elective</i>	<i>Liberal education elective</i>	<i>Liberal education elective</i>	<i>Liberal education elective</i>	<i>Liberal education elective</i>

## Two Year Electrical Engineering Program

Year One		Year Two	
Fall :	Spring :	Fall :	Spring :
Math 1081 (5) <i>Calculus I</i>	Math 1082 (5) <i>Calculus II</i>	Math 2081 (5) <i>Multivariable Calculus</i>	Math 2082 (5) <i>Lin Alg Diff. Eq</i>
Chem. 1041 (5) <i>Chemistry I</i>	Chem 1042 (5) <i>Chemistry II</i>	Engr 2091 (4) <i>Circuits I</i>	Engr 2092 (4) <i>Circuits II</i>
Phys 1081 (5) <i>Physics I</i>	Phys 1082 (5) <i>Physics II</i>	CSci 1081 (3) <i>Programming Fund</i>	Engr 2095 (4) <i>Digital Design</i>
<i>Liberal education elective</i>	<i>Liberal education elective</i>	<i>Liberal education elective</i>	<i>Liberal education elective</i>

### Notes:

- If students place into Math 0070 then Math 0070 will be taken fall semester first year. Math 1061 and Math 0090 will be taken in the spring of first year. Math 1062 will be taken in the summer.
- Engr 1020 is not required but strongly recommended by Century College and the University of Minnesota.
- Phys 2081 can be taken instead of Chem 1042. However, Physics 2081 is only offered even numbered summers. Check course schedule.

# Century College

## Three Year Mechanical Engineering Program

Year One		Year Two		Year Three	
Fall :	Spring :	Fall :	Spring :	Fall :	Spring :
Math 1061 (3) <i>College Algebra I</i>	Math 1062 (4) <i>College Alg II w Trig</i>	Math 1081 (5) <i>Calculus I</i>	Math 1082 (5) <i>Calculus II</i>	Math 2081 (5) <i>Multivariable-Calculus</i>	Math 2082 (5) <i>Lin. Alg. Diff. Eq.</i>
Chem 1041 (5) <i>Chemistry I</i>	CSci 1081 (3) <i>Programming Fund</i>	Phys 1081 (5) <i>Physics I</i>	Phys 1082 (5) <i>Physics II</i>	Engr 2080 (3) <i>Dynamics</i>	Engr 2085 (3) <i>Deform. Body Mech</i>
Engr 1020 (4) <i>Intro to Engineering</i>	<i>Liberal education elective</i>	<i>Liberal education elective</i>	Engr 1080 (3) <i>Statics</i>	Engr 2091 (4) <i>Circuits I</i>	Engr 2094 (2) <i>Digital Fundamentals</i>
<i>Liberal education elective</i>	<i>Liberal education elective</i>	<i>Liberal education elective</i>	<i>Liberal education elective</i>	<i>Liberal education elective</i>	<i>Liberal education elective</i>

## Two Year Mechanical Engineering Program

Year One		Year Two	
Fall :	Spring :	Fall :	Spring :
Math 1081 (5) <i>Calculus I</i>	Math 1082 (5) <i>Calculus II</i>	Math 2081 (5) <i>Multivariable Calculus</i>	Math 2082 (5) <i>Lin Alg Diff. Eq</i>
Chem. 1041 (5) <i>Chemistry I</i>	Engr 1020 (4) <i>Intro to Engineering</i>	Engr 2080 (3) <i>Dynamics</i>	Engr 2085 (3) <i>Deform. Body Mech</i>
Phys 1081 (5) <i>Physics I</i>	Phys 1082 (5) <i>Physics II</i>	Engr 2091 (4) <i>Circuits I</i>	Engr 2094 (2) <i>Digital Fundamentals</i>
<i>Liberal education elective</i>	Engr 1080 (3) <i>Statics</i>	<i>Liberal education elective</i>	CSci 1081 (3) <i>Programming Fund</i>

### Notes:

- If students place into Math 0070 then Math 0070 will be taken fall semester first year. Math 1061 and Math 0090 will be taken in the spring of first year. Math 1062 will be taken in the summer.