***The purpose of this course listing is to provide a suggested guide for transfer into the following program. <u>This is a recommendation only.</u> It is the student's responsibility to ensure proper course selection by contacting the transfer institution.***

# Geological Engineering
## *University of Minnesota-Twin Cities*

**A. MINNESOTA TRANSFER CURRICULUM (MnTC): 40 General Ed. semester credits including:**

1.

| | |
|---|---|
| Communications | 9-11 credits |
| Critical Thinking | 1 course |
| Natural Sciences | 6 credits |
| Math/Logical Reasoning | 3 credits |
| History/Social/Behavioral Sci. | 9 credits |
| Humanities/Fine Arts | 9 credits |
| Goals VII-X | 1 course |

2. Students transferring with an Associate in Arts Degree or a completed Minnesota Transfer Curriculum (MnTC) satisfy the U of M general education requirements.

**B. REQUIRED COURSES:**

| | | | |
|---|---|---|---|
| CHEM | 1424 | (5cr) | Chemical Principles I |
| CHEM | 1425 | (5cr) | Chemical Principles II |
| ENGR | 1411 | (5cr) | Engineering Physics I |
| ENGR | 1412 | (5cr) | Engineering Physics II |
| ENGR | 1500 | (2cr) | Intro to Engineering |
| ENGR | 2547 | (3cr) | Statics |
| ENGR | 2548 | (3cr) | Dynamics |
| ENGR | 2549 | (3cr) | Mechanics of Materials |
| MATH | 1477 | (5cr) | Calculus I |
| MATH | 1478 | (5cr) | Calculus II |
| MATH | 2457 | (3cr) | Linear Algebra |
| MATH | 2458 | (4cr) | Multivariable Calculus |
| MATH | 2459 | (4cr) | Differential Equations |

**C. ADMISSION REQUIREMENTS:**
Complete all prerequisite courses. <u>Contact U of M for additional admission requirements.</u>

**D. CAMPUS CONTACT:**
Admissions (800) 752-1000
***www.umn.edu***

***Admission and course requirements change frequently; therefore, this is to be considered a suggested guide only. It is the student's responsibility to be in contact with the transfer institution to obtain the most current program information.***

Updated 09/09