

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

## **Materials Science 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
CHEM	2472	(5cr)	Organic Chemistry I
ENGR	1411	(5cr)	Engineering Physics I
ENGR	1412	(5cr)	Engineering Physics II
ENGR	1500	(2cr)	Intro to Engineering
ENGR	2547	(3cr)	Statics
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. Contact U of M for additional admission requirements.

**D. CAMPUS CONTACT:**

Admissions (800) 752-1000  
[www.umn.edu](http://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.*