

Transfer Guide

Materials Science and Engineering at the University of Minnesota – Twin Cities

8/30/2024



The following lists the courses you can take at Anoka-Ramsey that will transfer to the University of Minnesota for a Bachelor's Degree in Materials Science and Engineering.

Degree Requirements

Anoka-Ramsey Math, Science, Computer Science, and Engineering Courses

ARCC Course	Prerequisite	Typically Offered ³	Equivalent UMN Course
MATH 1400 ⁴	MATH 1201 or MATH 1210 ¹	Fall, Spring, Summer	MATH 1371
MATH 1401 ⁴	MATH 1400	Fall, Spring, Summer	MATH 1372
MATH 2201 and MATH 2210	MATH 1401	2201: Fall 2210: Spring	MATH 2373
MATH 2220 ⁵	MATH 1401	Fall, Spring	MATH 2374
PHYS 1327 ⁴	MATH 1400 ²	Fall, Spring	PHYS 1301
PHYS 1328 ^{4,5}	PHYS 1327	Spring, Summer	PHYS 1302
CHEM 1061 ⁴	MATH 0250 ¹ , and CHEM 1020 or CHEM 1050 or H.S. Chem	Fall, Spring, Summer	CHEM 1061 and CHEM 1065
CHEM 1062 ⁴	CHEM 1061	Fall, Spring, Summer	CHEM 1066 and CHEM 1062
CHEM 2061 ⁵	CHEM 1062	Fall, Summer	CHEM 2301

¹ Math prerequisite can be met with the appropriate score on the math placement test

² Prerequisite can be taken concurrently.

³ While every effort is made to offer courses in the semester(s) indicated, Anoka-Ramsey cannot guarantee this.

⁴ Course is required for admission to the College of Science and Engineering

⁵ Course is required for admission to the Materials Science and Engineering Major

Anoka-Ramsey General Education Courses

The Minnesota Transfer Curriculum (MnTC) helps students transfer their general education courses from two-year to four-year colleges and universities. Several of the required math and science courses fulfill MnTC goal areas. For more information on the MnTC, go to the following website: <http://www.anokaramsey.edu/resources/transfer/mntc/>

Admission to the University of Minnesota Materials Science and Engineering Program

By completing the courses listed in the transfer table that are required for admission to the College of Science and Engineering, you will transfer directly into the College of Science and Engineering at the University of Minnesota. Anoka-Ramsey does not offer all of the courses required for direct admission into the Materials Science and Engineering Major. In addition to the courses listed in the transfer table for admission to the Materials Science and Engineering major, you will also need to complete CHEN 2001 at the University of Minnesota before being admitted to the Materials Science and Engineering Major.

Remaining University of Minnesota Courses

AEM 2031
AEM 4511
CHEM 4502 or PHYS 2303
MATS 3001
MATS 3002
MATS 3011
MATS 3012
MATS 3013
MATS 3141
MATS 3801
MATS 3851W
MATS 4212
MATS 4214
MATS 4221
MATS 4301W
MATS 4400
MATS Technical Electives

The information in this guide is subject to change.