

Transfer Guide

Mechanical 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 Mechanical 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 ^{4,5}	MATH 0250 ¹ , and CHEM 1020 or CHEM 1050 or H.S. Chem	Fall, Spring, Summer	CHEM 1061 and CHEM 1065
CSCI 1106	CSCI 1101	Fall, Spring	CSCI 1113
ENGR 1100 and ENGR 1200	1200: MATH 1200 ¹	Fall, Spring	ME 2011
ENGR 2219 and ENGR 2221	2219: MATH 1400 and PHYS 1327 2221: MATH 1400	2219: Spring 2221: Fall	EE 3005 and EE 3006
ENGR 2240 ⁵	MATH 1400 and CHEM 1061	Fall	ME 3331
ENGR 2241 ⁵ and ENGR 2242 ⁵	PHYS 1327	2241: Fall 2242: Spring	AEM 2021
ENGR 2243	ENGR 2243	Spring	AEM 3031

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 Mechanical 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 Mechanical Engineering Program

By completing the courses listed in the transfer table that are required for admission to the College of Science and Engineering and the Mechanical Engineering Major, you will transfer directly into the Mechanical Engineering Major at the University of Minnesota.

Remaining University of Minnesota Courses

IE 3521

MATS 2001 and MATS 2002

ME 3221

ME 3222

ME 3281

ME 3332

ME 3333

ME 4031W

ME 4053

ME 4054W

ME 4x3x (Senior Lab)

ME Technical Electives

The information in this guide is subject to change.