

Transfer Guide

Aerospace Engineering at the University of Minnesota – Twin Cities

8/24/2024



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 Aerospace 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 2219 and ENGR 2221	2219: MATH 1400 and PHYS 1327 2221: MATH 1400	2219: Spring 2221: Fall	EE 3005 and EE 3006
ENGR 2241 ⁵	PHYS 1327	Fall	AEM 2011
ENGR 2242	PHYS 1327	Spring	AEM 2012
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 Aerospace 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 Aerospace 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 Aerospace Engineering Major, you will transfer directly into the Aerospace Engineering Major at the University of Minnesota.

Remaining University of Minnesota Courses

AEM 2301
AEM 3101
AEM 4201
AEM 4202
AEM 4203
AEM 4301
AEM 4303W
AEM 4331
AEM 4501
AEM 4601
AEM 4602W
AEM Technical Electives
MATS 2001
ME 3324
PHYS 2303

The information in this guide is subject to change.