

## Transfer Guide

### Composite Materials Engineering at Winona State University

8/30/2024



The following lists the courses you can take at Anoka-Ramsey that will transfer to Winona State University for a Bachelor's Degree in Composite Materials Engineering.

#### Degree Requirements

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

ARCC Course	Prerequisite	Typically Offered <sup>3</sup>	Equivalent WSU Course
MATH 1400 <sup>4</sup>	MATH 1201 or MATH 1210 <sup>1</sup>	Fall, Spring, Summer	MATH 212
MATH 1401 <sup>4</sup>	MATH 1400	Fall, Spring, Summer	MATH 213
MATH 2210	MATH 1401	Spring	MATH 313
MATH 2220 <sup>4</sup>	MATH 1401	Fall, Spring	MATH 312
PHYS 1327 <sup>4</sup>	MATH 1400 <sup>2</sup>	Fall, Spring	PHYS 221
PHYS 1328 <sup>4</sup>	PHYS 1327	Spring, Summer	PHYS 222
CHEM 1061 <sup>4</sup>	MATH 0250 <sup>1</sup> , and CHEM 1020 or CHEM 1050 or H.S. Chem	Fall, Spring, Summer	CHEM 212
CHEM 1062 <sup>4</sup>	CHEM 1061	Fall, Spring, Summer	CHEM 213
ENGR 2240	CHEM 1061 and MATH 1400	Fall	CME 300
ENGR 2241 <sup>4</sup>	PHYS 1327	Fall	CME 250
ENGR 2242	PHYS 1327	Spring	CME 270

<sup>1</sup> Math prerequisite can be met with the appropriate score on the math placement test

<sup>2</sup> Prerequisite can be taken concurrently.

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

<sup>4</sup> Course is required for admission to the Composite Materials 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 Winona State University Composite Materials Engineering Program

Anoka-Ramsey does not offer all of the courses required for admission to the Composite Materials Engineering Major. In addition to ENGL 1121, either CMST 1110 or CMST 2215, and the courses listed in the transfer table for admission to the Composite Materials Engineering major, you will also need to complete CME 102, CME 182, and CME 210 at Winona State University before being admitted to the Composite Materials Engineering Major.

#### Remaining Winona State University Courses

CHEM 340 or CHEM 350 and CHEM 351

CHEM 410

CME 102

CME 182

CME 210

CME 260

CME 280

CME 281

CME 350

CME 360

CME 370

CME 390

CME 394

CME 401

CME 450

CME 451

CME 452

CME 475

CME 480  
CME 491A  
CME 491B  
MATH 314  
PHYS 302  
STAT 303  
Technical Electives

The information in this guide is subject to change.