

Transfer Guide Manufacturing Engineering at St. Cloud State University

12/14/2021



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

Degree Requirements

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

ARCC Course	Prerequisite	Typically Offered ³	Equivalent SCSU Course
MATH 1400 ⁴	MATH 1201 or MATH 1210 ¹	Fall, Spring, Summer	MATH 221
MATH 1401 ⁴	MATH 1400	Fall, Spring, Summer	MATH 222
MATH 2201 ⁴ and MATH 2210 ⁴	MATH 1401	2201: Fall 2210: Spring	MATH 327
MATH 2220	MATH 1401	Fall, Spring	MATH 321
PHYS 1327 ⁴	MATH 1400 ²	Fall, Spring	PHYS 234
PHYS 1328 ⁴	PHYS 1327	Spring, Summer	PHYS 235
CHEM 1061 ⁴	MATH 0250 ¹ , and CHEM 1020 or CHEM 1050 or H.S. Chem	Fall, Spring, Summer	CHEM 210
CHEM 1062	CHEM 1061	Fall, Spring, Summer	CHEM 211 (Other SCSU courses can fulfill this requirement)
CSCI 1106 ⁴	CSCI 1101	Fall, Spring	CSCI 201 (Fulfills the GENG 102 requirement)
ENGR 1100 ⁴	None	Fall, Spring	GENG 104 (SCSU Supplemental Course, GENG 103, is required to complete the degree requirement)
ENGR 1111 ⁴	MATH 0250 ¹	Fall, Spring	MME 224 (SCSU Supplemental Course, MME 225, is required to complete the degree requirement)
ENGR 2219 ⁴	MATH 1400 and PHYS 1327	Spring	ECE 201
ENGR 2240	MATH 1400 and CHEM 1061	Fall	MME 201 (SCSU Supplemental Course, MME 202, is required to complete the degree requirement)
ENGR 2241 ⁴ and ENGR 2242 ⁴	PHYS 1327	2241: Fall 2242: Spring	MME 243
ENGR 2243	ENGR 2241	Spring	MME 211 (SCSU Supplemental Course, MME 212, is required to complete the degree requirement)

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 Manufacturing 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. Also, for manufacturing engineering at SCSU, ECON 2205 or ECON 2206 is required. For more information on the MnTC, go to the following website:

<http://www.anokaramsey.edu/resources/transfer/mntc/>

Admission to the St. Cloud State Manufacturing Engineering Program

Anoka-Ramsey does not offer all of the courses required for direct admission into the Manufacturing Engineering Major. In addition to the courses listed in the transfer table for admission to the Manufacturing Engineering major, you will also need to complete GENG 103 and MME 225 at St. Cloud State University before being admitted to the Manufacturing Engineering Major.

Remaining St. Cloud State Courses

GENG 103
GENG 360
GENG 380
MME 202
MME 212
MME 225
MME 303

MME 333
MME 334
MME 342
MME 346
MME 352
MME 353
MME 461
MME 464
MME 470
MME 480
MME 481
Technical Electives

The information in this guide is subject to change.