Transfer Guide
Computer Engineering at the University of Minnesota - Twin Cities
11/27/11

The following lists the technical courses you can take at Anoka-Ramsey that will transfer to the University of Minnesota for a Bachelor's Degree in Computer Engineering (course numbers in parentheses represent the University of Minnesota course requirement that is satisfied).

Engineering Courses
ENGR 2218 - Digital Logic (EE 2301)
ENGR 2219 - Linear Circuits I (EE 2001 and EE 2002)

Math Courses
MATH 1400 - Calculus I (MATH 1271, 1371, or 1571H)
MATH 1401 - Calculus II (MATH 1272, 1372, or 1572H)
MATH 2100 - Discrete Mathematics (CSCI 2011)
MATH 2201 - Introductory Linear Algebra **AND** MATH 2210 - Differential Equations (MATH 2243, 2373, or 2573H)
MATH 2220 - Multivariable Calculus and Vector Analysis (MATH 2263, 2374, or 2574H)

Physics Courses
PHYS 1327 - College Physics I (PHYS 1301)
PHYS 1328 - College Physics II (PHYS 1302)

Computer Science
CSCI 1107 - Fundamentals of Computer Science II (CSCI 1902)

Technical Electives
All computer engineering students must complete a required number of technical elective credits for their degree. These courses are typically 4000 and 5000-level courses in the major, or approved courses outside of their major. The following courses are on the approved list of technical electives.

ENGR 2240 - Thermodynamics (ME 3331)
ENGR 2241 - Statics **AND** ENGR 2242 - Dynamics (AEM 2011 and AEM 2012)