



Transfer Guide – AS Engineering to BS Electrical Engineering

Transfer Process

All transfer students seeking a Bachelor of Science in Electrical Engineering should follow the admission procedures located at www.stcloudstate.edu/transfer to be admitted to St. Cloud State University (SCSU). A student must first be accepted to St. Cloud State and then may apply to the Electrical Engineering major after meeting the major’s admission requirements.

Requirements for Admission to the Electrical Engineering Majors:

- Completion of AS degree in Engineering
- Major GPA of 2.5 or higher
- or
- Direct admission to major:
 - Overall GPA of 2.0 or higher
 - C or better in GENG 102, ECE 201 and 220

The following courses transfer from North Hennepin Community College to St. Cloud State:

North Hennepin Community College Course	SCSU Course
ENGR 1000 Introduction to Engineering and Design and PHIL 1020 Ethics	*GENG 101 Ethics & the Engineering Profession (Goal 9)
CSCI 1130 Introduction to Programming in Java (CSO) CSCI 1150 Programming in C# for .NET	*GENG 102 Engineering Problem Solving
MATH 1221 & MATH 1222 Calculus I & II	MATH 221 & 222 Calculus I & II
MATH 2220 Calculus III	MATH 321 Vector & Multivariable Calculus
MATH 2400 & 2300 Differential Equations & Linear Algebra	MATH 327 Differential Equations with Linear Algebra
CSCI 2001 Object Oriented Programming (CS1)	CSCI 201 Computer Science I
ENGR 2501 & 2511 Circuit Analysis I & Circuit Analysis I Lab	*ECE 201 & 202 Circuit Analysis I & II
Choose one of the following as your final additional requirement: ENGR 1000, 2300, CHEM 1062, or MATH 2000	These courses are equivalent to MME 243, CHEM 211 & MATH 271 at SCSU Non EE Elective in program
ECON 1060 Principles of Macroeconomics	ECON 205 Principles of Macroeconomics

The following courses are *suggested* for particular MnTC Goals:

North Hennepin Community College Course	SCSU Course
PHYS 1601 & PHYS 1602 General Physics I & II	*PHYS 234 & PHYS 235 Classical Physics I & II
CHEM 1061 Principles of Chemistry I	*CHEM 210 General Chemistry I
ENGL 1201 & ENGL 1202 College Writing I & II	*ENGL 191 Intro to Rhetorical & Analytical Writing (Goal 1)
COMM 1010 Fundamentals of Public Speaking	CMST 192 Introduction to Communication Studies

*If a student completes a Goal within the MnTC, the same Goal will be completed at St. Cloud State once transferred.

Additional Requirements to Consider when Degree Planning

- Completion of 10 Goals (40 credits) in the MnTC (known as the Liberal Education Program at St. Cloud State)
- 40 upper-division credits (300-400 level coursework) are required to graduate
- Avoid taking a Goal 9 course

Please refer to www.transferology.com for up-to-date information on course equivalencies.

The information in this guide is subject to change without notice.

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