



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 Inver Hills Community College to St. Cloud State:

Inver Hills Community College Course	SCSU Course
ENGR 1000 Orientation to Engineering and ENGR 1100 Introduction to Engineering	*GENG 101 Ethics & the Engineering Profession (Goal 9)
ENGR 2041 & 2042 Linear Circuits I & II	*ECE 201 & 202 Circuit Analysis I & II
ENGR 2043 Introduction to Digital Circuits	*ECE 220 Digital Logic Design
CS 1119 Programming with C++	*GENG 102 Engineering Problem Solving
MATH 1133 & 1134 Calculus I & II	*MATH 221 & 222 Calculus 1 & 2
MATH 2219 Multivariable Calculus	MATH 321 Vector & Multivariable Calculus
MATH 2223 Linear Algebra and Differential Equations	MATH 327 Differential Equations with Linear Algebra
CHEM 1062, CS 2300	CHEM 211, CSCI 301 at SCSU – Non EE Elective in program
CHEM 1061 Principles of Chemistry I	*CHEM 210 General Chemistry I
CS 1119 Algorithms and Data Structures	CSCI 201 Computer Science I

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

Inver Hills Community College Course	SCSU Course
PHYS 1081 & 1082 Calculus Based Physics I & II	*PHYS 234 & 235 Classical Physics I & II
ENG 1108 Writing and Research Skills	*ENGL 191 Intro to Rhetorical & Analytical Writing (Goal 1)
COMM 1110 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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