



## 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](http://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
- Completion of the starred courses below with a 2.5 or higher GPA
  - Overall GPA of 2.5 or higher
  - A C or better in ECE 201 and 221

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

North Hennepin Community College Course	SCSU Course
<b>ENGR 1000</b> Introduction to Engineering Design & <b>PHIL 1020</b> Ethics	*ECE 101 Ethics & the Engineering Profession (Goal 9)
<b>CSCI 1130</b> Introduction to Programming in Java or <b>CSCI 1150</b> Programming in C# for .NET	*ECE 102 Engineering Problem Solving
<b>MATH 1221 &amp; MATH 1222</b> Calculus I & II	<b>MATH 221 &amp; 222</b> Calculus I & II
<b>MATH 2220</b> Calculus III	<b>MATH 321</b> Vector & Multivariable Calculus
<b>MATH 2400 &amp; 2300</b> Differential Equations & Linear Algebra	<b>MATH 327</b> Differential Equations with Linear Algebra
<b>CHEM 1061</b> Principles of Chemistry I	*CHEM 210 General Chemistry I
<b>CSCI 2001</b> Structure of Computer Programming I	<b>CSCI 201</b> Computer Science I
<b>PHYS 1601 &amp; PHYS 1602</b> General Physics I & II	*PHYS 234 & PHYS 235 Classical Physics I & II
<b>ENGL 1111</b> College Writing I	*ENGL 191 Analytical and Rhetorical Writing (Goal 1)
<b>ENGR 2501 &amp; 2511</b> Circuit Analysis I & Lab	*ECE 201 & 202 Circuit Analysis I & II
<b>Choose one of the following as your final additional requirement: ENGR 1000, 2300, CHEM 1062, or MATH 200</b>	<b>These courses are equivalent to MME 243, CHEM 211 &amp; MATH 271 at SCSU Non EE Elective in program</b>
<b>ECON 1060</b> Principles of Economics Macro	<b>ECON 205</b> Principles of Macroeconomics

\*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](http://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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