



## 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
  - Direct admission to major:
    - Overall GPA of 2.0 or higher
    - C or better in GENG 102, ECE 201 and 220
- or

### The following courses transfer from Saint Paul College to St. Cloud State:

St. Paul College Course	SCSU Course
ENGR 1706 Principles of Engineering	*GENG 101 Ethics & the Engineering Profession (Goal 9)
MATH 2749 & 2750 Calculus 1 & 2	*MATH 221 & 222 Calculus I & II
MATH 2753 Multivariable Calculus	MATH 321 Vector & Multivariable Calculus
MATH 2760 Differential Equations and Linear Algebra	MATH 327 Differential Equations with Linear Algebra
CHEM 1711 Principals of Chemistry 1	*CHEM 210 General Chemistry I
PHYS 2700 & 2710 General Physics 1 & 2	*PHYS 234 & 235 Classical Physics I & II
ENGR 1717 Circuit Analysis	*ECE 201 Circuit Analysis I
ENGR 2705, Statics ENGR 2710, Dynamics CHEM 1712 Principles of Chemistry 2	<b>These courses are equivalent to MME 241, 242, &amp; CHEM 211 at SCSU – count towards Non EE Elective in program</b>
CSCI 1523 Introduction to Computing & Programming CSCI 1533 ANSI C Language Programming CSCI 1541 Java Programming	CSCI 201 Computer Science I

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

St. Paul College Course	SCSU Course
ENGL 1711 & 1712 Composition 1 & 2	*ENGL 191 Intro to Rhetorical & Analytical Writing (Goal 1)
COMM 1710 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. CloudState)
- 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.**

### Electrical & Computer Engineering Department

Faculty Member: Dr. Mahbub Hossain

Email: [mahbub@stcloudstate.edu](mailto:mahbub@stcloudstate.edu)

Website: <http://www.stcloudstate.edu/ece>

Phone: 320.308.5319

### College of Science & Engineering

Student Relations Director: Kelsey Stacken

Email: [kstacken@stcloudstate.edu](mailto:kstacken@stcloudstate.edu)

Phone: 320.308.4870

Wick Science Building 164