



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 Normandale Community College to St. Cloud State:

Normandale Community College Course	SCSU Course
ENGR 1020 Intro to Engineering Design	*GENG 101 Ethics & the Engineering Profession (Goal 9)
CSCI 2001 Computer Programming Concepts	*GENG 102 Engineering Problem Solving
CSCI 2002 Algorithms and Data Structures	CSCI 201 Computer Science I
MATH 1510 & MATH 1520 Calculus 1 & 2	*MATH 221 & 222 Calculus I & II
MATH 2510 Multivariable Calculus	MATH 321 Vector & Multivariable Calculus
MATH 2520 Differential Equations with Linear Algebra	MATH 327 Differential Equations with Linear Algebra
ENGR 2001 Circuits Analysis with Electronics	*ECE 201 Circuit Analysis I
ENGR 2011 Linear Systems & Circuits	ECE 202 Circuit Analysis II
ENGR 2301 & 2302 Intro to Digital Logic Design A & B	*ECE 220 Digital Logic Design

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

Normandale Community College Course	SCSU Course
PHYS 1121 & 1122 Physics for Scientists & Engineers 1 & 2	PHYS 234 & PHYS 235 Classical Physics I & II
PHYS 2250 Modern Physics	PHYS 328 Modern Physics
CHEM 1061 Principles of Chemistry I	CHEM 210 General Chemistry I
COMP 1101 College Writing	ENGL 191 Intro to Rhetorical & Analytical Writing
COMM 1100 Introduction to Communication	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.

Electrical & Computer Engineering Department

Faculty Member: Dr. Mahbub Hossain

Email: 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

Phone: 320.308.4870

Wick Science Building 164