



COSE  
SCEE

College of Science & Engineering  
School of Computing, Engineering, & Environment

## Transfer Guide – B.S. Physics Degree

### Transfer Process

All transfer students seeking a Physics degree should follow the admission procedures located at [www.stcloudstate.edu/transfer](http://www.stcloudstate.edu/transfer) to be admitted to St. Cloud State. A student must first be accepted to St. Cloud State and then may apply to the Physics degree after meeting the major's admission requirements.

### Requirements for Admission to the Physics Degree:

- Major GPA of 2.5 or higher
- 2.5 GPA or higher in all PHYS, ASTR, and ENGR courses
- Completion of PHYS 235

The following courses are recommended by the department and will transfer from Anoka-Ramsey Community College to SCSU

Anoka Ramsey Community College Course	SCSU Course
PHYS 1327 & PHYS 1328 College Physics I & II	PHYS 234 & 235 Classical Physics I & II
MATH 1400 and 1401- Calculus I & II	MATH 221 & 222 Calculus I and II
CSCI 1106 Java Programming	ECE 102 Engineering Problem Solving
CHEM1061 - Principles of Chemistry	CHEM 210 General Chemistry I
Math 2200 Linear Algebra	Math 312 Linear Algebra
Math 2201 & 2210 Introductory Linear Algebra and Differential Equations	Math 327 Differential Equations with Linear Algebra
Math 2220 Multivariable Calculus and Vector Analysis	MATH 321 Vector and Multivariable Calculus

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

Anoka Ramsey Community College Course	SCSU Course
ENGL 1121 - College Writ & Crit Reading	ENGL 191 Analytical and Rhetorical Writing
CMST 1110 - Intro to Communication	CMST 192 Introduction to Communication Studies

### 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) If a student completes a Goal within the MnTC, the same Goal will be completed at St. Cloud State once transferred.
- 40 upper-division credits (300-400 level coursework) are required to graduate

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.**

### Physics & Astronomy Department

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