



# College of Science & Engineering

## Department of Chemistry & Biochemistry

### Transfer Guide – AS Chemistry to BS Chemistry/General Science Education, Grades 5-12

#### Transfer Process

All Minneapolis Community & Technical College (MCTC) transfer students seeking a Bachelor of Science (BS) Chemistry/General Science Education, Grades 5-12 should follow the admission procedures 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 Chemistry education major after meeting the major's admission requirements.

#### Requirements for Admission to the BS Chemistry/General Science Education Major

- Major GPA of 2.5 or higher
- Completion of a minimum of 36 semester hours, with at least 12 semester hours in residence of SCSU and submission of scores on the MTLE.
- C or better in all major classes as well as ENGL 191 and CMST 192

#### Courses that will transfer from Minneapolis Community & Technical College to St. Cloud State University

Minneapolis Community & Technical College Courses	St. Cloud State University Courses
CHEM 1151 & 1152 – Principles of Chemistry I & II	CHEM 210 & 211 – General Chemistry I & II
CHEM 2204, 2224 & 2205, 2225 – Organic Chemistry I & II	CHEM 310 & 311 – Organic Chemistry I & II
CHEM 2410 & 2420 – Analytical Chemistry & Instrumentation Theory & Lab and CHEM/BIOT 2320** Regulatory Affairs & QC Lab	CHEM 350 – Quantitative Analysis (** If CHEM/BIOT 2320 is taken without CHEM 2410 & 2420, it will be considered as University Elective)
PHYS 1131 & 1132 – College Physics 1 & 2 <u>OR</u> PHYS 1211 & 1221 – Physics for Science & Engineering 1 & 2	PHYS 231 & 232 – Classical Physics I & II <u>OR</u> PHYS 234 & 235 – Classical Physics I & II
Math 1170 - Calculus for Business and Social Sciences	MATH 211 -Survey of Calculus

The following courses are *suggested* for particular *Minnesota Transfer Curriculum (MnTC)-General Education* \* :

Minneapolis Community & Technical College Courses	St. Cloud State University Courses
MATH 1180 & 1190 – Calculus I & II <u>OR</u> MATH 1170***	MATH 221 & 222 – Calculus I & II <u>OR</u> MATH 211 (***) students have to take MATH 212)
BIOL 2200 – Principles of Biology	BIOL 151 – Cell Function and Inheritance
PHIL 2110 Critical Thinking	PHIL 194 Critical Reasoning
ENGL 1110 & ENGL 1111: College Composition & Research and composition for change	ENGL 191 Introduction to Rhetorical and Analytical Writing
CMST 1000 Introduction to Communication Studies	CMST 192 Introduction to Communication Studies
PHIL 1171 Ethics	PHIL 212 Moral Problems and Theories

\*If a student completes a Goal within the MnTC, the same Goal will be completed at St. Cloud State once transferred.

#### Additional Requirements to Graduate with a BS Chemistry/General Science Education 5-12 from St. Cloud State

- Completion of 10 Goals (40 credits) in the MnTC (known as the Liberal Education Program at SCSU)
- 40 upper-division credits (300-400 level coursework)

Please refer to [www.transfer.org](http://www.transfer.org) for up-to-date information on course equivalencies.

**The information in this guide is subject to change without notice.**

#### Department of Chemistry & Biochemistry

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#### College of Science & Engineering

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