COSE
SCEE

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

# Transfer Guide – BS in Environmental Engineering
## from Minneapolis Community and Technical College

**Transfer Process**

All transfer students seeking a Bachelor of Science in Environmental 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 Environmental Engineering major after meeting admission requirements for the major.

**Requirements for Admission to the Environmental Engineering Major:**

- Major GPA of 2.5 or higher
- Completion of ENGL 191, CMST 192, GENG 101, GENG 102, CHEM 210, MATH 221, PHYS 234, ENVE 201

**The following courses transfer from Minneapolis Community and Technical College (MinnCTC) to SCSU for Environmental Engineering:**

| MinnCTC Course | SCSU Course |
|---|---|
| **ENGL 1110** – College Composition **and** **ENGL 1111** – Research and Composition for Change | **ENGL 191** – Intro to Rhetorical and Analytical Writing |
| **CMST 1000** – Introduction to Comm Studies | **CMST 192** – Introduction to Communication Studies |
| **MATH 1180 & 1190** – Calculus 1 & 2 | **MATH 221 & 222** - Calculus 1 &2 |
| **MATH 2200** – Multivariable Calculus | **MATH 320** – Multivariable Calculus for Engineers |
| **MATH 2210** – Linear Algebra with Diff Equations | **MATH 327** – Differential Equations with Linear Algebra |
| **MATH 1140** – Introductory Statistics | **STAT 239** – Statistical Methods 1 for Natural Science |
| **CHEM 11151 & 1152** –General Chemistry 1 &2 | **CHEM 210 & 211** – General Chemistry 1 & 2 |
| **PHYS 1211** – Physics for Science/Engineering 1 | **PHYS 234** – Classical Physics I |
| **GEOL 1100** – Physical Geology | **AHS 220** – Physical Geology |
| **BIOL 2200** – Biology 1 | **BIOL 151** – Cell Function & Inheritance |
| **PHIL 2171** – Environmental Ethics | **GENG 101** – Ethics and the Eng Profession |
| **CST 1500** – Introduction to Prog. & Problem Solving | **GENG 102** – Engineering Problem Solving |
| Students should complete MNTC Goals 1 and 3-9 through MinnCTC. If a student completes a Goal within the MNTC, the same Goal will be completed at St. Cloud State once transferred. | |
| Students transferring from **MinnCTC** should consider completing an Intro. to Engr course prior to enrollment | |

**Additional Requirements to Consider when Planning a Study Program**

- MNTC goals 2 and 10 are met by completion of ENVE 201, required for the BS ENVE degree
- MNTC goal 3 is met by completion of CHEM 210 and PHYS 234, required for the BS ENVE degree
- MNTC goal 4 is met by completion of MATH 221, required for the BS ENVE degree
- Completion of SCSU's 10 Liberal Education Program (LEP) Goals requires 40 credits of LEP course work
- Graduation requirements include 40 upper-division credits (300-400 level coursework) are required to graduate

**For a listing of BS Environmental Engineering degree requirements please consult the University Catalog**

**Please refer to https://www.transferology.com/ for up-to-date information on course equivalencies.**

A suggested SCSU study plan is included on page 2 of this guide.

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

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Suggested SCSU study plan, based on course work completion as specified in the table on page 1.

| Suggested SCSU plan of study | | | | |
|---|---|---|---|---|
| Fall | GENG 101 | Ethics & Eng Profession[1] | 3 | |
| | ENVE 201 | Intro to Env Eng *(LEP 2, 10)* | 3 | |
| | AHS 230 | Intro. to Phys Hyd | 4 | |
| | ENVE 327 | ENVE Proc Analysis | 4 | |
| | | Sci/Tech elective | 4 | 18 |
| Spring | ENVE 302 | App Num. Meth | 3 | |
| | MME 201 | Thermo / Heat Cond | 4 | |
| | AHS 334 | Surface Hydrology | 4 | |
| | ENVE 328 | Env Systems Analysis | 4 | 15 |
| Fall | ENVE 426 | Phys/Chem Proc Des | 3 | |
| | ENVE 480 | ENVE Proj Des 1 | 3 | |
| | MME 303 | Fluids / Convection | 4 | |
| | AHS 332 | Phys HydroGeology | 4 | |
| | AHS 434 | Surf Water Modeling | 2 | 16 |
| Spring | ENVE 427 | Biol Proc Design | 3 | |
| | ENVE 438 | Water Resources Engr | 4 | |
| | ENVE 481 | ENVE Proj Des 2 | 3 | |
| | ENVE 482 | ENVE Profession | 1 | |
| | | Sci/Tech elective | 4 | 15 |
| | | SCSU Total = | 64 | |

[1]Consider completion of an introduction to engineering course (and LEP goal 9) prior to enrolling at SCSU to lessen the first semester load.



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