COSE
SCEE

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

Transfer Guide – BS in Environmental Engineering
from Inver Hills Community 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 Inver Hills Community College to SCSU for Environmental Engineering:

Inver Hills Community College Course	SCSU Course
ENGL 1108 – Writing and Research Skills **ENGL 1111** – Research Writing	**ENGL 191** – Intro to Rhetorical and Analytical Writing
Check with your advisor	**CMST 192** – Introduction to Communication Studies
MATH 1133 & 1134 – Calculus 1 & 2	**MATH 221 & 222** - Calculus 1 &2
MATH 2219 – Multi Variable Calculus	**MATH 320** – Multivariable Calculus for Engineers
MATH 1103 – Introductory Statistics	**STAT 239** – Statistical Methods 1 for Natural Science
CHEM 1061 & 1062 – Principles of Chemistry 1 &2	**CHEM 210 & 211** – General Chemistry 1 & 2
PHYS 2081 – Calculus-Based Physics 1	**PHYS 234** – Classical Physics I
GEOL 1101 – Physical Geology	**AHS 220** – Physical Geology
BIOL 1106 – Biological Cell to Organism	**BIOL 151** – Cell Function & Inheritance
ENGR 1110 – Introduction to Engineering	**GENG 101** – Ethics & the Engineering Profession
CS 1119 – Computer Programming with C++	**GENG 102** – Engineering Problem Solving
Students should complete MNTC Goals 1 and 3-9 through Inver Hills. 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 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)

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	ENVE 201	Intro to Env Eng *(LEP 2, 10)*	3	
	MATH 327	Diff Eq / Linear Alg	4	
	AHS 230	Intro. to Phys Hyd	4	
	ENVE 327	ENVE Proc Analysis	4	15
Spring	MME 299	Heat Conduction[(1)]	1	
	ENVE 302	App Num. Meth	3	
	AHS 334	Surface Hydrology	4	
	ENVE 328	Env Systems Analysis	4	
		Sci/Tech	4	16
Summer	Internship			
Fall	MME 303	Fluids / Convection	4	
	AHS 332	Phys HydroGeology	4	
	AHS 434	Surf Water Modeling	2	
	ENVE 426	Phys/Chem Proc Des	3	
	ENVE 480	ENVE Proj Des 1	3	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	4	15
		SCSU Total =	62	

[(1)]Involves joining MME 201 at the 2/3 point of the course for heat conduction required as prerequisite for MME 303.

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