COSE
SCEE

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

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

Itasca Community College Course	SCSU Course
ENGL 1101 – Composition 1 **and** **ENGL 1105** – Technical Research Writing or **ENGL 1113** – Composition 2	**ENGL 191** – Intro to Rhetorical and Analytical Writing
Check with your advisor	**CMST 192** – Introduction to Communication Studies
MATH 1122 & 1123 – Calculus 1 & 2	**MATH 221 & 222** - Calculus 1 &2
MATH 2102 – Multi Variable Calculus	**MATH 320** – Multivariable Calculus for Engineers
MATH 2104 – Differential Equations with Linear Algebra	**MATH 327** – Differential Equations with Linear Algebra
MATH 1105 – Elementary Statistics	**STAT 239** – Statistical Methods 1 for Natural Science
CHEM 1201 & 1202 – General Chemistry 1 &2	**CHEM 210 & 211** – General Chemistry 1 & 2
PHYS 1201 – Calculus-Based Physics 1	**PHYS 234** – Classical Physics I
BIOL 1201 – General Biology 1	**BIOL 151** – Cell Function & Inheritance
ENGR 1220 – Introduction to Engineering	**GENG 101** – Ethics & the Engineering Profession
CS 1205 – C++ Programming	**GENG 102** – Engineering Problem Solving
ENGR 2105 – Thermodynamics(1)	**MME 201** – Thermodynamics and Heat Conduction
Students should complete MNTC Goals 1 and 3-9 through Itasca CC. If a student completes a Goal within the MNTC, the same Goal will be completed at St. Cloud State once transferred.	
(1)Itasca ENGR 2105 transfers for 3 credits of MME 201 and requires completion of Heat Conduction as 1 cr of MME 299, joining roughly the last 1/3 of the MME 201 lecture. Students should consider completing SCSU's MME 201.	

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.

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

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

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	
	AHS 230	Intro. to Phys Hyd	4	
	ENVE 327	ENVE Proc Analysis	4	
		Sci/Tech	4	15
Spring	AHS 220	Physical Geology	4	
	ENVE 302	App Num. Meth	3	
	AHS 334	Surface Hydrology	4	
	ENVE 328	Env Systems Analysis	4	
	MME 299	Heat Conduction[(1)]	1	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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