



**Transfer Guide – BS in Environmental Engineering
from Winona State University**

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 Winona State University to SCSU for Environmental Engineering:

Winona State University Course	SCSU Course
ENG 111 – College Reading & Writing	ENGL 191 – Intro to Rhetorical and Analytical Writing
Check with your advisor	CMST 192 – Introduction to Communication Studies
MATH 212 213 & 312 – Calculus 1, 2 & 3	MATH 221, 222 & 320 - Calculus 1 &2, Multi Var Calc for Engr
MATH 313 & 314 – Diff eq & Lin Alg for Diff Eq	MATH 327 – Diff Eq w/Lin Alg
STAT 210 – Statistics	STAT 239 – Statistical Methods 1 for Natural Science
CHEM 212 & 213 –General Chemistry 1 &2	CHEM 210 & 211 – General Chemistry 1 & 2
PHYS 221 – Calc Based Physics 1	PHYS 234 – Classical Physics I
GEOS 215 – Earth System Science	AHS 220 – Physical Geology
BIOL 141 – Basics of Life or BIOL 209 – Microbiology	BIOL 151 – Cell Function & Inheritance
CME 102 – Intro. to Engineering	GENG 101 – Ethics and the Engr Profession
CS 234 – Algorithms and Problem Solving 1 or CME 210 – Computer Apps in Engr	GENG 102 – Engineering Problem Solving
CHEM 340 – Survey of Organic Chemistry	Science/Technical elective

Students should complete MNTC Goals 1 and 3-9 through Winona State U.

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
- SCSU BS ENVE requires MATH 327 Differential Equations with Linear Algebra (4 credits). Completion of this requirement through MetSU requires completion of MATH 315 and MATH 350 (8 credits)
- 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.

Atmospheric and Hydrologic Sciences Department

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

Fall	ENVE 201	Intro to Env Eng ^(LEP 2, 10)	3	
	MME 201	Thermo / Heat Cond	4	
	AHS 230	Intro. to Phys Hyd	4	
	ENVE 327	ENVE Proc Analysis	4	15
Spring	ENVE 302	App Num. Meth	3	
	MME 303	Fluids / Convection	4	
	AHS 334	Surface Hydrology	4	
	ENVE 328	Env Systems Analysis	4	15
Summer	Internship			
Fall	ENVE 426	Phys/Chem Proc Des	3	
	ENVE 480	ENVE Proj Des 1	3	
	AHS 434	Surf Water Modeling	2	
	AHS 332	Phys HydroGeology	4	
		Sci/Tech	4	16
Spring	ENVE 427	Biol Proc Design	3	
	ENVE 481	ENVE Proj Des 2	3	
	ENVE 438	Water Resources Engr	4	
	ENVE 482	ENVE Profession	1	
		Sci/Tech ⁽¹⁾	2	13
		SCSU Total =	59	

WSU PHYS 221 is 4 credits while SCSU PHYS 234 is 5 credits and WSU CME 102 is 2 credits while SCSU GENG 102 is 3 credits. Two additional science/technical electives are necessary to make up the difference.

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