



### Transfer Guide – BS in Environmental Engineering from Ridgewater 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](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 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 Ridgewater College (RWC) to SCSU for Environmental Engineering:

Ridgewater College Course	SCSU Course
ENGL 1210 – College Composition 1 <u>and</u> ENGL 1220 – College Composition 2	ENGL 191 – Intro to Rhetorical and Analytical Writing
COMM 1210 – Introduction to Communication	CMST 192 – Introduction to Communication Studies
MATH 1210 & 1220 – Calculus w/Anal Geometry 1 & 2	MATH 221 & 222 - Calculus 1 & 2
MATH 2230 – Calculus w/ Anal Geometry 3	MATH 320 – Multivariable Calculus for Engineers
MATH 2330 – Linear Algebra with Diff Equations	MATH 327 – Differential Equations with Linear Algebra
MATH 2010 – Elementary Statistics	STAT 239 – Statistical Methods 1 for Natural Science
CHEM 1510 & 1520 – Principles of Chemistry 1 & 2	CHEM 210 & 211 – General Chemistry 1 & 2
PHYS 1210 – General Physics 1	PHYS 234 – Classical Physics I
ESCI 1100 – Physical Geology	AHS 220 – Physical Geology
BIOL 2000 – General Biology 1	BIOL 151 – Cell Function & Inheritance
CST 1794 – Introduction to Programming	GENG 102 – Engineering Problem Solving
Students should complete MNTC Goals 1 and 3-8 through RWC. If a student completes a Goal within the MNTC, the same Goal will be completed at St. Cloud State once transferred.	
Students transferring from Ridgewater College should investigate the option of completing an Introduction to Engineering course during the summer prior to enrollment at SCSU to lessen the first fall semester academic load .	

#### 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
- MNTC goal 9 is satisfied by SCSU’s GENG 101; completion of an introduction to engineering course prior to enrollment at SCSU would necessitate completion of LEP goal 9 via course work completed at Ridgewater College.
- 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 <sup>(1)</sup>	3	
	ENVE 201	Intro to Env Eng <sup>(LEP 2, 10)</sup>	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	
<sup>(1)</sup> 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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