



Transfer Guide – BS in Environmental Engineering from Anoka-Ramsey 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 Anoka-Ramsey Community College (ARCC) to SCSU for Environmental Engineering:

Anoka-Ramsey Community College Course	SCSU Course
ENGL 1121 – College Writing and Reading	ENGL 191 – Intro to Rhetorical and Analytical Writing
CMST 1110 – Introduction to Communication	CMST 192 – Introduction to Communication Studies
MATH 1400 & 1401 – Calculus 1 & 2	MATH 221 & 222 - Calculus 1 & 2
MATH 2220 – Multi Variable Calculus / Vector Anal	MATH 320 – Multivariable Calculus for Engineers
MATH 1114 – Introduction to 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 1237 – College Physics 1	PHYS 234 – Classical Physics I
NATS 1003 – Geology	AHS 220 – Physical Geology
BIOL 1106 – Principles of Biology 1	BIOL 151 – Cell Function & Inheritance
ENGR 1100 – Introduction to Engineering	GENG 101 – Ethics & the Engineering Profession
CSCI 1106 – Fundamentals of Computer Science 1	GENG 102 – Engineering Problem Solving
ENGR 2240 – Thermodynamics ⁽¹⁾	MME 201 – Thermodynamics / Heat Conduction

Students should complete MNTC Goals 1 and 3-9 through ARCC.
 If a student completes a Goal within the MNTC, the same Goal will be completed at St. Cloud State once transferred.
⁽¹⁾ARCC ENGR 2240 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.

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 ARCC requires completion of MATH 2210 and MATH 2200 (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

Faculty Member: Dr. Coleman Henry

Email: cjhenry@stcloudstate.edu

Website: <http://www.stcloudstate.edu/ahs/>

Phone: 320.308.3260

College of Science & Engineering

Student Relations Director: Kelsey Stacken

Email: kstacken@stcloudstate.edu

Phone: 320.308.4870

[Wick Science Building 164](#)



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	
	ENVE 327	ENVE Proc Analysis	4	
	AHS 230	Intro. to Phys Hyd	4	
	MATH 327	Diff Eq / Linear Alg ⁽¹⁾	4	15
Spring	ENVE 302	App Num. Meth	3	
	ENVE 328	Env Systems Analysis	4	
	AHS 334	Surface Hydrology	4	
	MME 299	Heat cond ⁽²⁾	1	
		Sci/Tech Electives	4	16
Summer	Internship			
Fall	ENVE 426	Phys/Chem Proc Des	3	
	ENVE 480	ENVE Proj Des 1	3	
	AHS 332	Phys HydroGeology	4	
	AHS 434	Surf Water Modeling	2	
	MME 303	Fluids / Convection	4	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 Electives	4	15
		SCSU Total =	62	
⁽¹⁾ recommended completion of SCSU MATH 327 (4 cr.) in lieu of ARCC MATH 2200 & MATH 2210 (8 cr. Total)				
⁽²⁾ Involves joining MME 201 at ~2/3 course completion				

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