

# Lake Superior State University—Transfer Guide

## Alpena Community College

**Transfer Major:** Bachelor of Science Degree Environmental Chemistry

<b>Contacts:</b>	Ms. Audrey Julian, Transfer Coordinator Alpena Community College (989) 358-7277	<b>Valid For:</b>	2006-2007 ACC Catalog
	Dr. Barb Keller, Division Head, Division of Chemistry and Environmental Science, Geology, and Physics Lake Superior State University (906) 635-2438 or bkeller@lssu.edu		2006-2009 LSSU Catalog

Alpena Community College	LSSU Equivalency	LSSU Bachelor of Science Degree Environmental Chemistry
ENG 111 English or ENG 121 English 3 ENG 112 English or ENG 122 English 3 CEM 121 General & Inorganic Chemistry 4 CEM 122 Inorg Chem & Quant Analysis 4 MTH 131 Analytical Geom & Calculus I 5 MTH 132 Analytical Geom & Calculus II 5 CEM 221 Organic Chemistry 4 CEM 222 Organic Chemistry 4 PHY 121 General College Physics 4 PHY 122 General College Physics 4 BIO 210 Intro to Botany 4 BIO 211 General Zoology 4 MTH 223 Statistical Methods 4 Social Science Electives 8 Humanities/Fine Arts Electives 8 SPE 121 Speech Communication 3	ENGL 110 First-Year Composition I 3 ENGL 111 First-Year Composition II 3 CHEM 115 General Chemistry I 4 CHEM 116 General Chemistry II 4 MATH 151 Calculus I 4+1 MATH 152 Calculus II 4+1 CHEM 225 Organic Chemistry I 4 CHEM 226 Organic Chemistry II 4 PHYS 221 Elements of Physics I 4 PHYS 222 Elements of Physics II 4 BIOL 132 General Biology II 4 BIOL Electives 4 BUSN 211 Business Stats 3+1 Social Science Electives 9-12 Humanities Electives 8 COMM 101 Fund. of Speech Comm. 3	<p style="text-align: center;"><b>Courses to Complete Degree:</b></p> BIOL 131 General Biology I 4 BIOL 204 General Microbiology 4 BIOL 337 General Ecology 3 CHEM 231 Quantitative Analysis 4 CHEM 332 Instrumental Analysis 4 CHEM 341 Env Chem I: H2O/Poll Cont 4 CHEM 342 EnvChem II: Air/Solid Waste 4 CHEM 451 Intro Biochemistry 4 CHEM 353 Intro Toxicology 3 CHEM 361 Physical Chemistry 4 EVRN 311 Environmental Law 3 EVRN 313 Solid & Hazardous Waste 3 EVRN 395 Junior Seminar 1 EVRN 425 Env Systems Analysis 3 EVRN 495 Senior Project 1-3 EVRN 499 Senior Thesis 2 NSCI 103 Environmental Science 3 Directed Electives* 6-8
TOTAL ACC CREDITS 71	TOTAL LSSU TRANSFER 72-75	TOTAL LSSU CREDITS 60-64

APPROVED BY:

Dr. Barb Keller, Division Head, Division of Chemistry and Environmental Science, Geology, and Physics (Date)  
Lake Superior State University

Students must have MACRAO certification from Alpena Community College for agreement to be valid. Students should work with their community college transfer counselor to verify MACRAO requirements.

\* Directed Electives are listed in the LSSU Catalog.

Contact Kathleen Clarady, M.A., Transfer Specialist at LSSU for more information at 906-635-2808 or kclarady@lssu.edu  
Lake Superior State University – Admissions Office 650 West Easterday Avenue Sault Sainte Marie, Michigan 49783

1-888-800-LSSU – [www.lssu.edu](http://www.lssu.edu)

For more Course to Course equivalencies, visit [www.lssu.edu/equivalency](http://www.lssu.edu/equivalency)

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