



LAKE SUPERIOR STATE UNIVERSITY

Degree Audit Sheet B.S. Applied Geographic Information Science

Name _____ ID# _____

Advisor Approval _____ Expected Date of Graduation _____

Chair School of Physical Sciences Approval _____

Directions: Fill in the semester and grade for each course as completed. Two semesters before your intended graduation date this form should be filled in indicating the courses you are then taking, and those you will take in the next semester. Have the form signed and submit to the Fletcher Center with your Declaration of Candidacy form. You must have a signed Course Substitution/Waiver Form for any deviations from the audit below – see your advisor for this form.

		Semester	Grade
GIS Core Requirements (22 required credits)			
EVRN126 Mapping & Air Photo	2	_____	_____
EVRN131 Intro to GIS & GPS	3	_____	_____
EVRN231 Intermediate GIS	2	_____	_____
EVRN325 Geospatial Analysis	3	_____	_____
EVRN345 Adv. Spatial Analysis * Stats	4	_____	_____
EVRN355 GIS Programming and Applic.	4	_____	_____
EVRN465 Geogr. Databases & Web GIS	4	_____	_____
Natural and Social Sciences Core (35 required credits)			
NSCI103 Intro to Environmental Science	3	_____	_____
NSCI104 Intro to Env. Science Laboratory	1	_____	_____
GEOG106 Physical Geography: Landforms	4	_____	_____
GEOG210 World Regional Geography	4	_____	_____
GEOG306 Cultural Geography	4	_____	_____
RECS362 Land Management	3	_____	_____
ECON202 Microeconomics	3	_____	_____
SOCY102 Social Problems	3	_____	_____
<i>Select one from the following</i>			
BIOL107 Field Biology	3	_____	_____
BIOL132 General Biology	4	_____	_____
CHEM108 Applied Chem			
And CHEM109 Appl. Chem lab	4	_____	_____
CHEM115 General Chem I	5	_____	_____
GEOL121 Physical/Hist. Geology I	4	_____	_____
GEOL115 Field Geology	4	_____	_____

		Semester	Grade
Computer Science Cognate			
CSCI105 Computer Programming	3	_____	_____
CSCI211 Database Applications	3	_____	_____
Junior and Senior Thesis and Internship (6 required credits)			
EVRN395 Junior Seminar or equivalent	1	_____	_____
EVRN495 Senior Project	1	_____	_____
EVRN499 Senior Seminar	1	_____	_____
INTD399 Internship in GIS	4	_____	_____
Concentration Areas (select one concentration) (15 credits minimum)			
<u>Ecology concentration:</u>			
BIOL240 Natural History of Vertebrates	4	_____	_____
BIOL280 Biometrics	3	_____	_____
BIOL337 General Ecology	3	_____	_____
BIOL339 Wildlife Ecology	3	_____	_____
BIOL345 Limnology	3	_____	_____
<u>Emergency Preparedness concentration:</u>			
CJUS102 Police Process	3	_____	_____
FIRE101 Intro to Fire Science	3	_____	_____
FIRE111 Hazardous Materials	3	_____	_____
FIRE211 Tactics and Strategy	3	_____	_____
FIRE312 Hazardous Materials Mgmt.	4	_____	_____
FIRE315 Company Level Sup. & Mgmt.	3	_____	_____
<u>Geography concentration:</u>			
GEOG108 Physical Geography	4	_____	_____
GEOG302 Economic Geography	4	_____	_____
GEOG electives (200 or above)	7	_____	_____
<u>Geology concentration:</u>			
GEOL122 Physical and Hist. Geology II	4	_____	_____
GEOL218 Structural Geology & Tectonics	5	_____	_____
GEOL223 Mineralogy & Petrology	5	_____	_____
GEOL280 Intro to Field Geology	3	_____	_____
<u>Loss Control concentration:</u>			
CJUS212 Loss Control	3	_____	_____
CJUS306 Security Systems	3	_____	_____
<i>Select & identify Six hours from:</i>	6	_____	_____
CJUS202 Canadian Criminal Law			
CJUS319 Substantive Criminal Law			
CJUS406 Adv. Canadian Jurisprudence			
CJUS409 Procedural Criminal Law			
<i>Select & identify Nine hours from:</i>	9	_____	_____
MGMT365 Human Resource Mgmt			
CSCI101 Intro to Microcomputers			
MGMT451 Labor Law			
MRKT281 Marketing Principles			
MGMT360 Principles of Management			

		Semester	Grade
<u>Natural Resources concentration:</u>			
BIOL240 Natural History of Vertebrates	3	_____	_____
BIOL230 Soils	4	_____	_____
BIOL284 Forestry	4	_____	_____
BIOL286 Watershed Management	3	_____	_____
ECON307 Environmental Economics	3	_____	_____
<u>Marketing concentration:</u>			
MRKT281 Principles and Strategy	3	_____	_____
MRKT480 Marketing Research	3	_____	_____
MGMT375 Intro Supply Chain Mgmt	3	_____	_____
MRKT elective 300 or higher	3	_____	_____
MRKT elective 300 or higher	3	_____	_____
<u>Programming and Development concentration:</u>			
CSCI106 Adv. Web Page Design/Site Adm.	3	_____	_____
CSCI121 Principles of Programming	3	_____	_____
CSCI221 Computer Networks	3	_____	_____
CSCI312 File and Database management	3	_____	_____
CSCI333 Systems Programming	3	_____	_____
<u>Public Administration concentration:</u>			
PSCI201 Intro to Public Administration	3	_____	_____
PSCI301 Policy Analysis and Evaluation	4	_____	_____
PSCI401 Principles of Public Admin.	4	_____	_____
ECON305 Public Finance	3	_____	_____
ECON307 Environmental Economics	3	_____	_____
<u>Recreation Management concentration:</u>			
RECS101 Intro to Recreation & Leisure	3	_____	_____
RECS260 Outdoor Recreation	3	_____	_____
RECS295 Practicum	2	_____	_____
RECS365 Expedition Management	4	_____	_____
<u>Environmental Science concentration:</u>			
EVRN285 Principles of Epidemiology	3	_____	_____
EVRN311 Environmental Law	3	_____	_____
EVRN313 Solid & Haz. Waste Mgmt	3	_____	_____
ECON307 Environmental Economics	3	_____	_____
BIOL337 General Ecology	3	_____	_____
<u>Operations Research concentration:</u>			
MATH215 Fundamental Concepts of Math	3	_____	_____
MATH351 Graph Theory	3	_____	_____
MATH401 Mathematical Modeling	3	_____	_____

		Semester	Grade
MGMT375 Intro Supply Chain Mgmt	3	_____	_____
One course at 200 level or higher selected from ECON, MGMT, FINC, MATH, CSI =	3	_____	_____
		_____	_____

Social Science concentration:

SOCY101 Intro Sociology	3	_____	_____
SOCY202 Social Research Methods	3	_____	_____
SOCY227 Population and Ecology	3	_____	_____
SOCY303 Contemp. Sociological Theory	3	_____	_____
SOCY314 Social Change	3	_____	_____

Other Departments and General Education (29 required credits)

		Semester	Grade
<u>Natural Science & Social Science</u>			
Satisfied by Natural and Social Sciences core			
<u>Mathematics</u>			
MATH207 Statistics or	3	_____	_____
BUSN211 Business Statistics or			
PSCY210 Statistics or			
CJUS344 Statistics & Design of Pub. Safety- specify which course is taken:		_____	_____
MATH111 College Algebra	3	_____	_____
MATH112 Calculus for Busn. & Life Sci.	4	_____	_____

Communication

ENGL110 Freshman Composition I	3	_____	_____
ENGL111 Freshman Composition II	3	_____	_____
COMM101 Fundamentals of Speech Com.	3	_____	_____
ENGL306 Technical Writing	3	_____	_____

Diversity

Satisfied by the Natural and Social Sciences Core

Humanities

HUMN251 Humanities I	4	_____	_____
Approved humanities (see catalog)	3	_____	_____

Free Electives to total 124 credits minimum

Graduation Criteria include:

- Residency for major: 32 required credits must be earned at LSSU and 50% of 300/400 level courses
- Cumulative GPA must be minimum of 2.00
- Like help w/ GPA? Use the LSSU Online GPA Calculator at <http://www.lssu.edu/registrar/gpacalc.php>