

COMMON COURSES, 18-32 S.H.	
<p>Complete <u>all</u> the following: GEOG:1020 The Global Environment (3) GEOG:1021 The Global Environment Lab (1) GEOG:1050 Foundations of GIS (4) GEOG:1090 Globalization and Geographic Diversity (3)</p>	<p>Choose <u>one</u> of the following: GEOG:1060 Geography of Asia: From Japan to Pakistan (3) GEOG:1070 Contemporary Environmental Issues (3) GEOG:2110 Seven Billion & Counting: Introduction to Population Dynamics (3) GEOG:2130 World Cities (3) GEOG:2910 The Global Economy (3) GEOG:2950 Environmental Conservation (3)</p>
<p>Choose <u>one</u> of the following: <i>*Not required for GIS track students*</i> GEOG:3340 Ecosystem Services: Human Dependence on Natural Systems (3) GEOG:3500 Intro to Environmental Remote Sensing (3) GEOG:3520 GIS for Environmental Studies (3) GEOG:3540 Intro to Geographic Visualization (3) GEOG:3570 Light Detection and Ranging (LiDAR): Principles and Applications (3) GEOG:4010 Field Methods in Physical Geography (3) GEGO:4020 Field Methods: Mapping and Mobile Computing (3) GEOG:4150 Health & Environment: GIS Applications(3) GEOG:4650 Simulation in Enviro. Geography (3)</p>	<p>Choose <u>one</u> of the following: GEOG:4030 Senior Project Seminar (SP Only) (3) GEOG:4995 Honors Thesis (3)</p> <p>Choose <u>one</u> of the following: GEOG:3400 Iowa Environmental Policy in Practice (3) GEOG:3992 Undergraduate Research (including ICIGO or Independent research) (arr.) CCP:1201 Academic Internship (1-3)</p>
STATISTICS COURSES, CHOOSE B.A. OR B.S.	
<p><u>FOR THE B.A. (3-4 S.H.)</u></p> <p>Choose <u>one</u> of the following: GEOG:1065 Intro to Spatial Analysis: Patterns and Processes (3) PSQF/STAT:4143 Intro to Statistical Methods (3) PSQF/STAT:1020 Elementary Statistics and Interference (3) STAT:1030 Statistics for Business (4) STAT:2010 Statistical Methods and Computing (3) STAT:3510 Biostatistics (3) STAT:2020 Probability and Statistics for Engineering and Physical Sciences (3)</p>	<p><u>FOR THE B.S. (10 S.H.)</u></p> <p>Complete <u>both</u> of the following: STAT:2010 Statistical Mapping and Computing (3) STAT:3200/IE:3760 Applied Linear Regression (3)</p> <p>Choose <u>one</u> of the following: CS:1210 Computer Science I: Fundamentals (4) CS:2110 Programming for Informatics (4) CS:2230 Computer Science II: Data Structures (4) MATH:1460 Calculus for the Biological Sciences (4) MATH:1380 Calculus and Matrix Algebra for Business (4)</p>
TRACK COURSES, 15-19 S.H.	
<p>Choose <u>one</u> of three tracks (see reverse for course lists):</p> <ul style="list-style-type: none"> <input type="checkbox"/> Environmental Studies Track (15 s.h.) <input type="checkbox"/> Geographic Information Science Track (GIS) (18-19 s.h.) <input type="checkbox"/> Health & Society Track (15 s.h.) 	

ENVIRONMENTAL STUDIES TRACK, 15 S.H.	GEOGRAPHIC INFORMATION SCIENCE TRACK, 18-19 S.H.
<p>Complete the following: GEOG:1070 Contemporary Environmental Issues (3)</p> <p>Choose four of the following: [At least one of these]: GEOG/EES:2310 Introduction to Climatology (3) GEOG/BIOL:2374 Biogeography (3) GEOG:2410 Environment and Development (3) GEOG:2930 Water Resources (3) GEOG:3500 Introduction to Environmental Remote Sensing (3) GEOG:3520 GIS for Environmental Studies (3)</p> <p>[At least one of these]: GEOG:3310 Landscape Ecology (3) GEOG:3315 Ecosystem Ecology (3) GEOG:3320/EES:3260 Wetlands: Function, Geography, and Management (3) GEOG:3340 Ecosystem Services: Human Dependence on Natural Systems (3) GEOG:3350 Urban Ecology (3) GEOG:3400 Iowa Environmental Policy in Practice (3) GEOG/GHS:3760 Hazards and Society (3) GEOG:3920/URP:3001 Planning Livable Cities (3) GEOG:4010 Field Methods in Physical Geography (3) GEOG:4200 Sustainability as a System Science (3) GEOG:4470 Ecological Climatology (3) GEOG:4500 Applications in Enviro. Remote Sensing (3) GEOG:4520 GIS for Environmental Studies GEOG:4650 Simulation in Enviro. Geography (3) GEOG/URP:4750 Environmental Impact Analysis (4) GEOG:4770 Environmental Justice (3)</p>	<p>Choose one of the following: CS:1110 Introduction to Computer Science (3) CS:1210 Computer Science I: Fundamentals (4) CS:2110 Programming for Informatics (4)</p> <p>Choose five of the following: [At least one of these]: GEOG:3050 Geospatial Programming (3) GEOG:3500 Intro to Environmental Remote Sensing (3) GEOG:3520 GIS for Environmental Studies (3) GEOG:3540 Intro to Geographic Visualization (3) GEOG:4650 Simulation in Environ. Geography (3)</p> <p>[At least one of these]: GEOG:3340 Ecosystem Services: Human Dependence on Natural Systems (3) GEOG:3610 Ethical Use of Geospatial Information (3) GEOG/GHS:3760 Hazards and Society (3) GEOG:4010 Field Methods in Physical Geography (3) GEOG:4020 Field Methods: Mapping and Mobile Computing (3) GEOG/GHS:4150 Health & Environment: GIS Applications (3)</p> <p>[At least one of these]: GEOG:3570 LiDAR: Principles and Applications (3) GEOG:4500 Applications in Environmental Remote Sensing (4) GEOG:4520 GIS for Environmental Studies: Applications (3) GEOG:4570 Spatial Analysis in Location Models (3) GEOG:4580 Introduction to Geographic Databases (3)</p>
HEALTH & SOCIETY TRACK, 15 S.H.	
<p>Complete all the following: GEOG/GHS:2110 Seven Billion & Counting: Intro to Population Dynamics (3) GEOG:3110/GHS:3111 Geography of Health (3) GEOG/GHS:4150 Health & Environment: GIS Applications (3)</p> <p>Choose two of the following: GEOG/GHS:3070 Hungry Planet: Global Geographies of Food (3) GEOG:3210/CPH:3400 Health, Work, and Enviro. (3) GEOG:3300 Envisioning Future Worlds: Sustainable Development and Its Alternatives (3) GEOG/GHS:3760 Hazards and Society (3) GEOG:3920/URP:3001 Planning Livable Cities (3) GEOG:4770 Environmental Justice (3)</p>	