# Proposed Conservation and Environmental Planning Major Curriculum

**University Requirements**
- Global Perspectives
  - GEOL 350 – Geological Dest. of Nat. (recommended) 3
- Am. Cultural Div.
  - ENGL 228 – Lit. of Env. Justice (recommended) 3

**General Education**
- BIOL 150, CHEM 115, ESM 105 (possible double counting -3cr.) 36-39

**Core Courses**
- ESM 151 Intro. to Land Use Theory and Practice 3
- ESM 220 Environmental Sustainability 3
- ESM 245 Found. of Ecological Restoration 2
- ESM 270 Internship 2-4
- ESM 303 Env. Policies and Admin. 3
- ESM 333 Remote Sensing of Nat. Res. 3
  or
- ESM 363 GIS Applications in Resource Management 3
- ESM 360 Hydrology and Water Quality 4
- ESM 485 Seminar: Resource Mgt. 1

<table>
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<tr>
<th>Support Courses</th>
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<tr>
<td>SOIL 120 Intro. to Soils</td>
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<td>AGEC 230 Intro. to Ag. Economics</td>
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<tr>
<td>GEOG 250 Intro. To GIS</td>
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**Conservation Option**
- SOIL 440 Soil and Water Conservation 4
- GENG 235 Surveying 3
- BIOL 344 Wildlife Biology 4
- BIOL 360 Ecology 3
- AGEC 450 Intro. to N.R. Econ. 3
- ESM 109 Intro. to Forestry 2

**Directed Electives**

**General Electives**

**Total Credits** 120
Directed Electives:


Environmental Planning Option

ESM 251  Community Decision-Making  3
ESM 351  Planning for Sustainable Communities  3
ESM 411  Site and Landscape Planning  4
ESM 435  Advanced Land Use Planning and Design  4
AGEC/ESM 445  Land Use and Sustainable Ag. Law  3
GEOL 269  Environmental Geology  3

Directed Electives  15
General Electives  7-12
Total Credits  120

Directed Electives:

ESM 343, ESM 345, ESM 363, SOIL 250, SOIL 311, SOIL 325, SOIL 350, AGEN 333, AGEN 355, AGEN 365, BIOL 230, BIOL 333, BIOL 354, BIOL 434, BIOL 444, GEOG 360, GEOG 366, GEOG 368 GEOG 460, GENG 121, GENG 368, GEOL 327, GEOL 445, CROP 263, CROP 266, CROP 267, CROP 368, CROP 468, HORT 250, HORT 255, HORT 268, HORT 310, HORT 327, HORT 347, HORT 352
Current Conservation Major Curriculum

Conservation Core 47-49 cr. hrs.

ESM 109 Introduction to Forestry 2 cr.
ESM 151 Introduction to Land Use Theory and Practice 3 cr.
ESM 220 Environmental Sustainability: Theory, Issues, and Management 3 cr.
ESM 270 Internship I 2-4 cr.
ESM 303 Environmental Policies and Administration 3 cr.
ESM 333 Remote Sensing of Natural Resources 3 cr.
ESM 343 Woodlot Management 3 cr.
ESM 360 Applied Hydrology and Water Quality 4 cr.
ESM 363 GIS Application in Resource Management 3 cr.
ESM 485 Seminar in Resource Management 1 cr.
SOIL 120 Introduction to Soil Science 3 cr.
SOIL 440 Soil and Water Conservation 4 cr.
AGEC 450 Introduction to Natural Resource Economics 3 cr.
BIOL 344 Wildlife Biology 4 cr.
BIOL 360 Ecology 3 cr.
BIOL 210 General Botany 3 cr.
or BIOL 230 General Zoology

Required Supporting Courses 14 cr. hrs.

GEOG 250 Introduction to Cartography and GIS 3 cr.
ENGL 266 Business Writing or ENGL 367 Technical Writing 3 cr.
AGEC 230 Agriculture Economics I 3 cr.
or ECON 201 Principles of Microeconomics
CHEM 120 Introduction to General Chemistry 6 cr.
or CHEM 121 General Chemistry 1 5cr.

Directed Electives: 11-13 cr. hrs.

ACCT 201, 231, 232; AGEC 320, 345; AGED 202; AGEN 325, 333, 365; CROP 345, 462; ANSC 231, 257, 260; BIOL 240, 310 320, 324, 330, 333, 350, 354, 355, 434, 444; BLAW 265; CHEM 122, 200, 230, 251, 256, 356, 452; CI 202, 320, 322, 376, 430; ECON 202, 205; ESM 289, 300, 305, 307, 365, 370, 377, 411, 413, 485, 490; FINC 210, 345; GENG 235; GEOG 255, 360, 368, 450, 460; GEOL 202, 269, 327, 330, 417, 445; HORT 250, 452; INTS 200; JOUR 260, 265; MATH 147, 166; MKTG 310; MNGT 300, 430; PE D 201, 202, 301, 371; PHIL 303; PHYS 151, 152; POLS 355; PSYC 201; SOCI 245; SOIL 311, 325, 350, 460; ECON 226, MATH 226 or ANSC 341

General Electives: 6 cr. hrs.
Current Community Planning Major (at the time the Major was suspended)

Community Planning Core 41-43 cr. hrs.
ESM 151 Introduction to Land Use Theory and Practice 3 cr.
ESM 220 Environmental Sustainability: Theory/Issues and Mgt 3 cr.
ESM 251 Community Decision-Making 3 cr.
ESM 270 Internship 1 2-4 cr.
ESM 293 Community Analysis 3 cr.
ESM 303 Environmental Policies and Administration 3 cr.
ESM 305 Environmental Impact Assessment 2 cr.
ESM 351 Planning for Sustainable Communities 3 cr.
ESM 333 Remote Sensing of Natural Resources 3 cr.
or ESM 363 GIS Applications in Resource Management 3 cr.
or GENG 265 Engineering Graphics 3 cr.
ESM 360 Hydrology and Water Quality 4 cr.
ESM 393 Comprehensive Planning 3 cr.
ESM 411 Site Planning and Development 4 cr.
ESM 435 Advanced Land Use Planning and Design 4 cr.
ESM 485 Seminar: Resource Management 1 cr.

Support Courses 15 cr. hrs.
GEOG 250 Intro to Cartography and GIS 3 cr.
SOIL 120 Introduction to Soil Science 3 cr.
GEOG 360 GIS: Theory and Methods 3 cr.
AGEC/ESM 445 Land Use and Sustainable Agriculture Law 3 cr.
ENGL 266 Business Writing 3 cr.
Or ENGL 367 Technical Writing 3 cr.

Directed Electives: 24 cr. hrs.
AFES 492; AGEC 230, 231, 250, 320, 345, 355, 440, 441, 450; AGED 202; AGEN 150, 240, 325, 333, 365, 425, 443; ANTH 100, 205, 247, 348; BIOL 310, 314, 320, 330, 323, 333, 344, 350, 354, 355, 360, 434, 444; CSTA 106, 207, 208, 211, 222, 306, 316, 318, 440; ECON All; ESM 109, 333, 343, 363, 377, 412; FINC 335, 350; GENG 121, 201, 235, 236, 265, 368; GEOG All except 250, 360; GEOL 101, 269, 445, 446; HEAL 350; HIST All; HORT All; INTS 200, 377; MATH 326, 356, 357; MNGT 150, 250, 310, 355; MODL 377; PHIL 303, 304; POLS All; SOCI All; SOIL All except 120; SOWK 150, 205, 215, 260, 300

General Electives: 6-8 cr. hrs.