Natural Resources and Environmental Science: Land Resources

https://ag.purdue.edu/oap/pages/major.aspx

120 credits required for graduation

| Credi | ts Course number | Course Title |
|---|--|--|
| Departmenta | ıl/Program Major Ce | ourses (108 credits) |
| | ired Major Courses | |
| i | NRÉS 20000 | Introduction to Environmental Careers |
| | NRES 23000 or | |
| 3 | AGRY 33500 | Survey of Meteorology or Weather and Climate |
| | NRES 25500 | Soil Science |
| | NRES 29000 | Introduction to Environmental Science |
| Other | Departmental /Pro | gram Course Requirements (101 credits) (See Advising Resources) |
| Other 3 0.5 0.5 3 4 4 | AGEC 40600 | Natural Resource and Environmental Economics |
| 0.5 | | Introduction to the College of Agriculture and Purdue University |
| 0.5 | AGR 12200 | Introduction to Natural Resources and Environmental Science |
| 3 | AGRY 33700 | Environmental Hydrology |
| 4 | AGRY 38500 | Environmental Soil Chemistry |
| 4 | BIOL 11000 | Fundamentals of Biology I |
| | BIOL 11100 or | |
| 4 | BTNY 11000 | Fundamentals of Biology II or Introduction to Plant Science |
| 3 | CHM 11100 | General Chemistry |
| 3 | CHM 11200 | General Chemistry |
| 4 | CHM 25700 | Organic Chemistry |
| 3 | FNR 21000 | Natural Resource Information Management |
| 3 | FNR 37500 | Human Dimensions of Natural Resource Management |
| $\frac{3}{3}$ | MA 16010 MA 16020 | Applied Calculus I (satisfies Quantitative Reasoning for core) Applied Calculus II |
| 3 | POL 22300 | Introduction to Environmental Policy |
| 3 | STAT 30100 | Elementary Statistical Methods (satisfies Information Literacy for core) |
| | | Ecology Selective |
| | | Ecology Selective Ecology Selective |
| ⁹ | | Biochemistry, Biology, Chemistry, Mathematics, Physics, or Statistics Selective |
| 12 | | Land Resources Selective |
| 3 | | Microeconomics Selective (satifies Human Culture Behavioral/Social Science for core) |
| 3 | | UCC Humanities Selective (satisfies Human Cultures Humanities for core) |
| ₃ | | Humanities or Social Science Selective |
| ₃ | | Humanities or Social Science Selective |
| 3 | | Humanities or Social Science Selective (30000+ level) |
| 4 3 3 4 3 3 3 3 3 3 3 3 3 3 3 3 3 4 | ENGL 10600 | First-Year Composition (satisfies Written Communication for core) |
| | COM 11400 or | Fundamentals of Speech Communication or Science Writing and Presentation (satisfies |
| 3 | COM 21700 | Oral Communication for core) |
| | | Written or Oral Communication Selective |
| Electives (12 | credits) | |
| 12 | | Elective |
| | | |
| ! Universit | y Core Requireme | ents: |
| Human Cult | ures Humanities: | Science, Technology, and Society: |
| | ures Behavioral/Social | |
| Information Science #1: | | Oral Communication: 1 Quantitative Reasoning: 1 |
| Science #2: | | Quartitative recogning. |
| 1 | | |
| | 120 | semester credits required for Bachelor of Science degree. |
| | | 2.0 GPA required for Bachelor of Science degree. |
| | | |
| College of | Agriculture & Un | iversity Level Requirements: |
| 2.0 GPA requ | ired for Bachelor of Sc | cience degree. |
| | sion credits taken from national Understandin | |
| | icultural Awareness: _ | y |
| | _ | nces outside the College of Agriculture: |

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| 1 80118 | Course number | Course Title | Prerequisites | Credits | Course number | Course Title | Prerequisites |
|------------------------|----------------------|--|---------------|-------------------|--|---|---------------|
| | Fall 1st Year | | | | Spring 1st Year | | |
| 0.5 | AGR 10100 | Introduction to the College of | | 4 | BIOL 11000 | Fundamentals of Biology I | |
| | | Agriculture and Purdue | | ' | | 0, | |
| | | University | | | | | |
| | | - | | ١ ـ | | 0 101 11 | 01114 44400 |
| 0.5 | AGR 12200 | Introduction to Natural | | 3 | CHM 11200 | General Chemistry | CHM 11100 |
| | | Resources and Environmental | | | | | |
| | | Science Academic Programs | | | | | |
| | | | | | | | |
| 3 | CHM 11100 | General Chemistry | | 3 | COM 11400 or | Fundamentals of Speech or | |
| J | OF HAT TITLED | Scheral Chemistry | | " | COM 21700 | Science Writing and | |
| | | | | | CON 21700 | - | |
| | | | | | | Presentation | |
| 4 | ENGL 10600 | First-Year Composition | | 3 | MA 16020 | Applied Calculus II | MA 16010 |
| 3 | MA 16010 | Applied Calculus I | ALEKS 75+ | 3 | | Elective | |
| 3 | NRES 29000 | Introduction to Environmental | | | | | |
| • | | Science | | | | | |
| 14 | | Odience | | 16 | | | |
| 14 | | | | 76 | | | |
| | Call And Vacu | · · | | | Ourten Cod Veen | | |
| | Fall 2nd Year | Foundamentals (B) | | _ | Spring 2nd Year | | |
| 4 | BIOL 11100 or | Fundamentals of Biology II or | | 3 | NRES 23000 or | | |
| | BTNY 11000 | Introduction to Plant Science | | | AGRY 33500 | Weather and Climate | |
| | | | | | | | |
| 4 | CHM 25700 | Organic Chemistry | CHM 11200 | 1 | NRES 20000 | Introduction to | |
| • | =0100 | - game one moul | | 1 ' | | Environmental Careers | |
| | NIBECOFFE CONTRACTOR | Call Calanas | CHM 11100 | _ | DOL OCCCO | | |
| 3 | NRES 25500 | Soil Science | CHIM 11100 | 3 | POL 22300 | Introduction to | |
| | | | |] | | Environmental Policy | |
| 3 | STAT 30100 | Elementary Statistical | | 2 | | Ecology Selective | |
| | | Methods | | 1 | | | |
| 3 | | Microeconomics Selective | | 3 | | Humanities or Social | |
| ٠ | | MICIOECONOMICS SEIECUVE | | l ° | | | |
| | | | | l . | | Science Selective | |
| | | | | 3 | | Elective | |
| 17 | | | | 15 | | | |
| | | | | | | | |
| | Fall 3rd Year | | | ! | Spring 3rd Year | | |
| | rali siu i ear | | | | -p g u . u | | |
| 6 | raii siu Tear | Biochemistry, Biology, | | 3 | AGEC 40600 | Natural Resource and | AGEC 20300 |
| 6 | | Biochemistry, Biology, Chemistry, Mathematics. | | 3 | | *** ** * * * * * * * * * * * * * * * * * | AGEC 20300 |
| 6 | | Chemistry, Mathematics, | | 3 | | Natural Resource and Environmental Economics | AGEC 20300 |
| 6 | | Chemistry, Mathematics, Physics, or Statistics | | 3 | | *** ** * * * * * * * * * * * * * * * * * | AGEC 20300 |
| | | Chemistry, Mathematics, Physics, or Statistics Selective | | | AGEC 40600 | Environmental Economics | AGEC 20300 |
| 6 | | Chemistry, Mathematics, Physics, or Statistics | | 3 | | *** ** * * * * * * * * * * * * * * * * * | AGEC 20300 |
| | | Chemistry, Mathematics, Physics, or Statistics Selective | | | AGEC 40600 | Environmental Economics | AGEC 20300 |
| 3 | | Chemistry, Mathematics, Physics, or Statistics Selective Ecology Selective | | 3 | AGEC 40600 FNR 21000 | Environmental Economics Natural Resource Information Management | AGEC 20300 |
| | | Chemistry, Mathematics, Physics, or Statistics Selective | | | AGEC 40600 | Environmental Economics Natural Resource Information Management Human Dimensions of | |
| 3 | | Chemistry, Mathematics, Physics, or Statistics Selective Ecology Selective | | 3 | AGEC 40600 FNR 21000 | Environmental Economics Natural Resource Information Management Human Dimensions of Natural Resource | |
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| 3 | | Chemistry, Mathematics, Physics, or Statistics Selective Ecology Selective | | 3 3 3 3 | AGEC 40600 FNR 21000 FNR 37500 | Environmental Economics Natural Resource Information Management Human Dimensions of Natural Resource Management UCC Humanities Selective | |
| 3 6 | Fall 4th Year | Chemistry, Mathematics, Physics, or Statistics Selective Ecology Selective Land Resources Selective | NDES 25500 | 3 3 3 15 | AGEC 40600 FNR 21000 FNR 37500 Spring 4th Year | Environmental Economics Natural Resource Information Management Human Dimensions of Natural Resource Management UCC Humanities Selective Land Resources Selective | |
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| 3 6 15 | Fall 4th Year | Chemistry, Mathematics, Physics, or Statistics Selective Ecology Selective Land Resources Selective Environmental Soil Chemistry | NRES 25500 | 3 3 3 15 | AGEC 40600 FNR 21000 FNR 37500 Spring 4th Year | Environmental Economics Natural Resource Information Management Human Dimensions of Natural Resource Management UCC Humanities Selective Land Resources Selective | |
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| 3 6 15 | Fall 4th Year | Chemistry, Mathematics, Physics, or Statistics Selective Ecology Selective Land Resources Selective Environmental Soil Chemistry Biochemistry, Biology, Chemistry, Mathematics, | NRES 25500 | 3 3 3 15 | AGEC 40600 FNR 21000 FNR 37500 Spring 4th Year | Environmental Economics Natural Resource Information Management Human Dimensions of Natural Resource Management UCC Humanities Selective Land Resources Selective | |
| 3 6 15 | Fall 4th Year | Chemistry, Mathematics, Physics, or Statistics Selective Ecology Selective Land Resources Selective Environmental Soil Chemistry Biochemistry, Biology, | NRES 25500 | 3 3 3 15 | AGEC 40600 FNR 21000 FNR 37500 Spring 4th Year | Environmental Economics Natural Resource Information Management Human Dimensions of Natural Resource Management UCC Humanities Selective Land Resources Selective | |
| 3 6 15 | Fall 4th Year | Chemistry, Mathematics, Physics, or Statistics Selective Ecology Selective Land Resources Selective Environmental Soil Chemistry Biochemistry, Biology, Chemistry, Mathematics, Physics, or Statistics | NRES 25500 | 3 3 3 15 | AGEC 40600 FNR 21000 FNR 37500 Spring 4th Year | Environmental Economics Natural Resource Information Management Human Dimensions of Natural Resource Management UCC Humanities Selective Land Resources Selective | |
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| 3 6 15 | Fall 4th Year | Chemistry, Mathematics, Physics, or Statistics Selective Ecology Selective Land Resources Selective Environmental Soil Chemistry Biochemistry, Biology, Chemistry, Mathematics, Physics, or Statistics Selective Humanities or Social Science | NRES 25500 | 3 3 3 15 | AGEC 40600 FNR 21000 FNR 37500 Spring 4th Year | Environmental Economics Natural Resource Information Management Human Dimensions of Natural Resource Management UCC Humanities Selective Land Resources Selective Environmental Hydrology Land Resources Selective Humanities or Social | |
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| 3 6 15 4 3 | Fall 4th Year | Chemistry, Mathematics, Physics, or Statistics Selective Ecology Selective Land Resources Selective Environmental Soil Chemistry Biochemistry, Biology, Chemistry, Mathematics, Physics, or Statistics Selective Humanities or Social Science Selective Written or Oral Communication Selective | NRES 25500 | 3 3 3 15 | AGEC 40600 FNR 21000 FNR 37500 Spring 4th Year | Environmental Economics Natural Resource Information Management Human Dimensions of Natural Resource Management UCC Humanities Selective Land Resources Selective Environmental Hydrology Land Resources Selective Humanities or Social Science Selective (30000+ level) | |

The highlighted course is considered critical; timely progress toward the degree depends upon steady progress through each course in the plan of study, but this course, in particular, should be completed by the semester indicated.

Consultation with an advisor may result in an altered plan customized for an individual student.