Fall 2015

# Natural Resources and Environmental Science: Emerging Environmental Challenges

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

120 credits required for graduation

| | Credits | Course number | Course Title |
|---|---|---|---|
| **Departmental/Program Major Courses (106 credits)** | | | |
| | **Required Major Courses (7 credits)** | | |
| _____ | 1 | NRES 20000 | Introduction to Environmental Careers |
| | | NRES 23000 or | |
| _____ | 3 | AGRY 33500 | Survey of Meteorology or Weather and Climate |
| _____ | 3 | NRES 25500 | Soil Science |
| _____ | 3 | NRES 29000 | Introduction to Environmental Science |
| | **Other Departmental /Program Course Requirements (99 credits) (See Advising Resources)** | | |
| _____ | 3 | AGEC 40600 | Natural Resource and Environmental Economics |
| _____ | 0.5 | AGR 10100 | Introduction to the College of Agriculture and Purdue University |
| _____ | 0.5 | AGR 12200 | Introduction to Natural Resources and Environmental Science |
| _____ | 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 | MA 16010 | Applied Calculus I (satisfies Quantitative Reasoning for core) |
| _____ | 3 | MA 16020 | Applied Calculus II |
| _____ | 3 | POL 22300 | Introduction to Environmental Policy |
| _____ | 3 | STAT 30100 | Elementary Statistical Methods (satisfies Information Literacy for core) |
| _____ | 2 | _____ | Ecology Selective |
| _____ | 3 | _____ | Ecology Selective |
| _____ | 9 | _____ | Biochemistry, Biology, Chemistry, Mathematics, Physics, or Statistics Selective |
| _____ | 20 | _____ | Emerging Environmental Challenges 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 | 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) |
| _____ | 3 | _____ | Written or Oral Communication Selective |
| **Electives (14 credits)** | | | |
| _____ | 14 | _____ | Elective |

**University Core Requirements:**

*Human Cultures Humanities:* _____
*Human Cultures Behavioral/Social Science:* _____
*Information Literacy:* _____
*Science #1:* _____
*Science #2:* _____
*Science, Technology, and Society:* _____
*Written Communication:* _____
*Oral Communication:* _____
*Quantitative Reasoning:* _____

120 semester credits required for Bachelor of Science degree.
2.0 GPA required for Bachelor of Science degree.

**College of Agriculture & University Level Requirements:**

*2.0 GPA required for Bachelor of Science degree.*
*32 Upper division credits taken from Purdue*
*9 credits International Understanding:* _____ _____ _____
*3 credits Multicultural Awareness:* _____
*9 credits of Hum and/or Social Sciences outside the College of Agriculture:* _____ _____ _____

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| Credits | Course number | Course Title | Prerequisites |
|---|---|---|---|
| | **Fall 1st Year** | | |
| 0.5 | AGR 10100 | Introduction to the College of Agriculture and Purdue University | |
| 0.5 | AGR 12200 | Introduction to Natural Resources and Environmental Science Academic Programs | |
| 3 | CHM 11100 | General Chemistry | |
| 4 | ENGL 10600 | First-Year Composition | |
| 3 | MA 16010 | Applied Calculus I | ALEKS 75+ |
| 3 | NRES 29000 | Introduction to Environmental Science | |
| **14** | | | |

| Credits | Course number | Course Title | Prerequisites |
|---|---|---|---|
| | **Spring 1st Year** | | |
| 4 | BIOL 11000 | Fundamentals of Biology I | |
| 3 | CHM 11200 | General Chemistry | CHM 11100 |
| 3 | COM 11400 or COM 21700 | Fundamentals of Speech or Science Writing and Presentation | |
| 3 | MA 16020 | Applied Calculus II | MA 16010 |
| 2 | _____ | Elective | |
| **15** | | | |

| Credits | Course number | Course Title | Prerequisites |
|---|---|---|---|
| | **Fall 2nd Year** | | |
| 4 | BIOL 11100 or BTNY 11000 | Fundamentals of Biology II or Introduction to Plant Science | |
| 4 | CHM 25700 | Organic Chemistry | CHM 11200 |
| 3 | NRES 25500 | Soil Science | CHM 11100 |
| 3 | STAT 30100 | Elementary Statistical Methods | |
| 3 | _____ | Microeconomics Selective | |
| **17** | | | |

| Credits | Course number | Course Title | Prerequisites |
|---|---|---|---|
| | **Spring 2nd Year** | | |
| 3 | NRES 23000 or AGRY 33500 | Survey of Meteorology or Weather and Climate | |
| 1 | NRES 20000 | Introduction to Environmental Careers | |
| 3 | POL 22300 | Introduction to Environmental Policy | |
| 2 | _____ | Ecology Selective | |
| 3 | _____ | Humanities or Social Science Selective | |
| 3 | _____ | Elective | |
| **15** | | | |

| Credits | Course number | Course Title | Prerequisites |
|---|---|---|---|
| | **Fall 3rd Year** | | |
| 6 | _____ | Biochemistry, Biology, Chemistry, Mathematics, Physics, or Statistics Selective | |
| 6 | _____ | Emerging Environmental Challenges Selective | |
| 3 | _____ | Ecology Selective | |
| **15** | | | |

| Credits | Course number | Course Title | Prerequisites |
|---|---|---|---|
| | **Spring 3rd Year** | | |
| 3 | AGEC 40600 | Natural Resource and Environmental Economics | AGEC 20300 |
| 3 | FNR 21000 | Natural Resource Information Management | |
| 6 | _____ | Emerging Environmental Challenges Selective | |
| 3 | _____ | UCC Humanities Selective | |
| **15** | | | |

| Credits | Course number | Course Title | Prerequisites |
|---|---|---|---|
| | **Fall 4th Year** | | |
| 3 | _____ | Biochemistry, Biology, Chemistry, Mathematics, Physics, or Statistics Selective | |
| 3 | _____ | Emerging Environmental Challenges Selective | |
| 3 | _____ | Humanities or Social Science Selective | |
| 3 | _____ | Written or Oral Communication Selective | |
| 3 | _____ | Elective | |
| **15** | | | |

| Credits | Course number | Course Title | Prerequisites |
|---|---|---|---|
| | **Spring 4th Year** | | |
| 5 | _____ | Emerging Environmental Challenges Selective | |
| 3 | _____ | Humanities or Social Science Selective (30000+ level) | |
| 6 | _____ | Electives | |
| **14** | | | |

120 semester credits required for Bachelor of Science degree.
2.0 GPA required for Bachelor of Science degree.

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.**