PURDUE UNIVERSITY

Earth Space Science Education
College of Science

code-BS
Code-ESSE
128+ Credits
"C-"or better required in ^ courses

**Departmental/Program Major Courses (69-71)**

**Required Major Courses** (34-35 credits)

_____ (3) EAPS 10900^ Dynamic Earth (fall) *( also satisfies Science Selective for core)*
_____ (3) EAPS 11800^ Introduction to Earth Science (spring)
_____ (1) EAPS 13700^ First Year Seminar in EAPS (spring)
_____ (4) EAPS 24300^ Earth Materials (fall) *(also satisfies Science Selective for core)*
_____ (3) EAPS 31900 Exploring Earth through Time (spring)
_____ (3) EAPS 35300 Surface Processes (fall)
_____ (3) EAPS 35400 Plate Tectonics (spring)
_____ (3) EAPS/ASTR Elective+ (could satisfy Science, Technology & Society for core) - link
_____ (3) EAPS/ASTR Elective+
_____ (3) EAPS/ASTR Elective+
_____ (6) EAPS 49000 Geology Field Experience (summer)
_____ (3) EDCI 20500 Exploring Teaching as a Career (satisfies Written Communication for core)
_____ (3) EDCI 28500 Multiculturalism & Education (counts as Culture Course/Human Cultures Humanities for core)
_____ (3) EDPS 23500 Learning and Motivation (counts as General Education Elective/Behavioral Social Sciences for core)
_____ (3) EDPS 26500 The Inclusive Classroom (satisfies Human Cultures Humanities for Core)
_____ (3) EDCI 27000 Introduction to Education and Computing (satisfies Information Literary for core)
_____ (1) EDST 20010 Educational Policies
_____ (2) EDPS 32700 Assessment Literacy
_____ (3) EDCI 30900 Reading in Middle and Secondary Schools
_____ (3) EDCI 42400 Teaching of Earth/Physical Science
_____ (2) EDCI 42800 Teaching Science in the Middle and Junior High School
_____ (10) EDCI 49800 Supervised Teaching of Earth/Space Science

+ Select from EAPS 104, 105, 115, 116, 120, 138, 221, 225; ASTR 263, 264.

**Other Departmental /Program Course Requirements (52-58 credits)**

_____ (4-5) MA 161, MA 16500 ^ Calculus I (satisfies *Quantitative Reasoning Selective* for core)
_____ (4-5) MA 16200, MA 16600 ^ Calculus II (satisfies *Quantitative Reasoning Selective* for core)
_____ (4) CHM 11500^ Chemistry I *(satisfies Science Selective for core)*
_____ (4) CHM 11600^ Chemistry II *(satisfies Science Selective for core)*
_____ (4) PHYS 17200^ or PHYS 22000^Physics *(satisfies Science Selective for core and Teambuilding Experience- PHYS 172 only)*
_____ (4) PHYS 27200 or PHYS 22100 Physics *(satisfies Science Selective for core)*
_____ (4) C S 17700 Computer Programming (satisfies Teambuilding Experience)
_____ (3) STAT 30100 Statistics *(satisfies Information Literacy Selective for core)*
_____ (3-4) ENGL 10600 or ENGL 10800 *(satisfies Written Communication & Information Literacy for core)*
_____ (3) COM 21700 Technical Writing and Communication *(satisfies Oral Communication for core)*
_____ (3-4) Language/Culture Elective I - link
_____ (3-4) Language/Culture Elective II - link
_____ (3) General Education Elective I (Select courses could satisfy Human Culture Behavioral/Social Science for core)-link
_____ (3) General Education Elective II (Select courses could *satisfy Human Cultures Humanities for core)*-link
_____ (3) Great Issues - link
_____ (0) Multidisciplinary Elective - link (fulfilled by ESSE Degree requirements)

**Electives (3 credits or more)**

_____ ( ) _____ ____ ( ) _____ ____ ( ) _____ ____ ( ) _____
_____ ( ) _____ ____ ( ) _____ ____ ( ) _____ ____ ( ) _____

**University Core Requirements - link**

| | | | |
|---|---|---|---|
| *Human Cultures Humanities* | ☐ _____ | *Science, Technology & Society Selective* | ☐ _____ |
| *Human Cultures Behavioral/Social Science* | ☐ _____ | *Written Communication* | ☐ _____ |
| *Information Literacy* | ☐ _____ | *Oral Communication* | ☐ _____ |
| *Science Selective* | ☐ _____ | *Quantitative Reasoning* | ☐ _____ |
| *Science Selective* | ☐ _____ | | |

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**The student is ultimately responsible for knowing and completing all degree requirements.**
**Degree Works is a knowledge source for specific requirements and completion**

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# Earth Space Science Education

Fall 2015

Department of Earth, Atmospheric, and Planetary Sciences

http://www.eaps.purdue.edu/for_students/undergraduate/

**Suggested** Arrangement of Courses:

| Credits | **Fall 1st Year** | **Prerequisite** | Credits | **Spring 1st Year** | **Prerequisite** |
|---|---|---|---|---|---|
| 3 | EAPS 10900^*(fall only) Dyn Earth | | 3 | EAPS 11800^ * (spring only) Intro Earth Sci | |
| 5 | MA 16100^ * Calculus I | ALEKS score | 1 | EAPS 13700^ Fr. Seminar | |
| 4 | CHM 11500^ * Chemistry I | Calc co-req | 5 | MA 16200^ * Calculus II | MA 161 |
| 4 | ENGL 10600*(1st or 2nd sem) English | | 4 | CHM 11600^ * Chemistry II | CHM 115 |
| | | | 3 | General Education Elective | |
| | | | | | |
| **16** | | | **16** | | =32 credits |

| Credits | **Fall 2nd Year** | **Prerequisite** | Credits | **Spring 2nd Year** | **Prerequisite** |
|---|---|---|---|---|---|
| 4 | EAPS 24300^*(fall only) Earth Materials | MA 161, CHM | 3 | EAPS 31900 (spring only) Exploring Earth through Time | EAPS 118 |
| 4 | PHYS 17200 or 22000^ * Physics | | 4 | PHYS 27200 or 22100 Physics | |
| 3 | EDCI 20500 Teaching as a career | | 3 | EDPS 23500 Learning & Motivation . | |
| 3 | EDCI 28500 Multiculture & Educ | | 3 | EDPS 26500 Inclusive Classroom | |
| | | | 3 | COM 21700 Tech Comm | |
| **14** | | | **16** | | =62 credits |

| Credits | **Fall 3rd Year** | **Prerequisite** | Credits | **Spring 3rd Year** | **Prerequisite** |
|---|---|---|---|---|---|
| 3 | EAPS 35300 (fall only) Surface Processes | | 3 | EAPS 35400 (spring only) Plate Tectonics | |
| 3 | STAT* Statistics | | 3 | EAPS/ASTR Elective | |
| 4 | C S Computer Programming | CALC | 3 | Great Issues* | |
| 1 | EDST 20010 Educ Policies & Law | | 3 | Language and Culture | |
| 2 | EDPS 32700 Assessment Literacy | EDPS 235 | 3 | EDCI 27000 Educ & Computing | |
| 3 | Language and Culture | | | | |
| **16** | | | **15** | | |
| | **6 credits - EAPS 490000 Geology Field Experience (Summer)** | | | | 93 + 6 =99 credits |

| Credits | **Fall 4th Year** | **Prerequisite** | Credits | **Spring 4th Year** | **Prerequisite** |
|---|---|---|---|---|---|
| 3 | EDCI 42400 Teaching Earth/Physical Science | | 2 | EDCI 42800 Teaching Science (GATE B) | |
| 3 | EAPS/ASTR Elective | | 3 | EDCI 30900 Reading | |
| 3 | EAPS/ASTR Elective | | 10 | EDCI 49800 Supervised Teaching | |
| 3 | Science, Technology, Society or Free Elective | | | | |
| 3 | General Education Elective | | | | |
| **15** | | | **15** | | 129 credits |

*Satisfies a University Core Requirement

Students must earn a "C-" or better in all required ^ courses.

**120 semester credits (minimum) required for Bachelor of Science degree.**

**2.0 Graduation GPA required for Bachelor of Science degree.**

**2.0 average in EAPS major classes required to graduate.**

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