### BS Earth System Science
#### Human Dimensions & Societal Impact Concentration

- **Area I: Freshman Composition**
  - 6 credits – see attached for more options
  - **Completed Courses**:
    - EH 101: 3 credits
    - EH 102: 3 credits
    - EH 103: 3 credits
    - EH 105: 3 credits

- **Area II: Fine Art and Humanities**
  - 12 credits
  - **Completed Courses**:
    - CM 113: 3 credits
    - ESS 103, ESS 104

- **Area III: Math and Natural Science**
  - 11-12 credits
  - **Math**
    - Choose 1: 3 credits
    - ESS 321: 3 credits
    - ESS 370: 3 credits
  - **Lab Science**
    - 8 credits – choose one (two course) sequence:
      - PH 101/101L: 3 credits
      - PH 102/102L: 3 credits
      - PH 111/114: 3 credits

- **Area IV: History and Social & Behavioral Science**
  - 12 credits
  - **Completed Courses**:
    - ESS 105: 3 credits
    - ESS 110: 3 credits

- **Area V: College of Science Requirements**
  - 17 Credits
  - **Completed Courses**:
    - CH 101/105: 3 credits
    - PH 101/101L: 3 credits

- **Earth System Science Major Requirements**
  - 50 credits
  - **Earth System Science Core**
    - 20 credits
    - ESS 103/103L: 4 credits
    - ESS 104/104L: 4 credits

- **Human Dimensions & Societal Impacts Concentration**
  - 18 credits
  - **Completed Courses**:
    - ESS 210: 3 credits
    - ESS 306: 3 credits
    - ESS 313: 3 credits

- **Human Dimensions & Societal Impacts Concentration Electives**
  - 12 credits
  - **Completed Courses**:
    - ESS 300+:
      - 3 credits

- **Elective Courses**
  - 20-21 credits
  - **Completed Courses**:
    - BYS 200+, CS 200+, HY 300+, PSC 300+, or SOC 300+

### Total = 128 credits to graduate

39 of the 128 credits must be taken at 300 level or higher

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All prerequisite classes must be completed with a "C-" or higher grade.

The Catalog is the final authority for all degree requirements.

*Placement Requirements: [https://www.uah.edu/admissions/undergraduate/admitted-students/academic-placement](https://www.uah.edu/admissions/undergraduate/admitted-students/academic-placement)
| College Writing I & II | Choose 1 | College Writing I & II (EH 101 + 102)  
|                       |          | Intensive Writing & Studio & Freshman Comp II (EH 101S + 101L & EH 102)  
|                       |          | Honors English Seminar (EH 105; equivalent to EH 101 & EH 102)  
|                       |          | Accelerated College Writing (EH 103; equivalent to EH 101 & EH 102)  
| Fine Arts             | Choose 1 | Ancient to Medieval Art (ARH 100)  
|                       |          | Renaissance to Modern Art (ARH 101)  
|                       |          | Non-Western Art (ARH 103)  
|                       |          | Theatre Appreciation (TH 122)  
|                       |          | Introduction to Drawing (ARS 160)  
|                       |          | Intro to Music Literature (MU 100)  
| Literature            | Choose 1 | Readings Literature/Culture I (EH 207)  
|                       |          | Readings Literature/Culture II (EH 208)  
|                       |          | Mythology (EH 242)  
|                       |          | Honors Literature I (EH 209)  
|                       |          | Honors Literature II (EH 210)  
| Humanities Non-Literature | Required | Public Speaking (CM 113) Required course for Science Majors – use as the Non-Literature Humanities  
| Humanities/ Fine Art/ 2nd Literature | Choose 1 | Ancient & Medieval Worlds (AMS 229)  
|                       |          | Intro to Philosophy (PHL 101)  
|                       |          | Intro to Ethics (PHL 102)  
|                       |          | Science, Tech & Human Values (PHL 150)  
|                       |          | Intro to Logic (PHL 201)  
|                       |          | Intro to Film Studies (FMA 123)  
|                       |          | Foreign Language (WLC 101)  
|                       |          | International Cinema (WLC 204)  
|                       |          | Intro to Women's Studies (WS 200)  
|                       |          | * see above for Lit & Fine Art Courses  
| Mathematics           |          | Calculus A (MA 171 or MA 171S)  
| Natural Lab Science Sequence |          | Physics w/ Calculus I & II (PH 111/114 + PH 112/115)  
| History               | Choose 1 | World History I (HY 103)  
|                       |          | World History II (HY 104)  
| Social & Behavioral Sciences | Choose 2 | Macroeconomics (ECN 142)  
|                       |          | Microeconomics (ECN 143)  
|                       |          | American Govt (PSC 101)  
|                       |          | Politics & Foreign Govt (PSC 102)  
|                       |          | International Relations (PSC 260)  
|                       |          | World Geography (ESS 105)*  
|                       |          | Human Geography (ESS 110)*  
|                       |          | Global systems & cultures (GS 200)  
|                       |          | Intro to Sociology (SOC 100)  
|                       |          | Analysis of Social Problems (SOC 102)  
|                       |          | Intro to Criminology (SOC 103)  
|                       |          | Sociological Perspective on Tech and Science (SOC 150)  
|                       |          | General Psychology (PY 101)  
|                       |          | Life Span Development (PY 201)  
|                       |          | *Strongly recommended  
| History or Social & Behavioral Sciences | Choose 1 | Take either 2nd History Course OR 3rd Social & Behavioral Science  
| History or Literature Sequence | Required | History: (HY 103 + HY 104) or (HY 221 + HY 222) OR  
|                       |          | Literature: Any Part I (EH 207, 242, or Honors EH 209) + Any Part II (EH 208 or honors EH 210)  
| College of Science Requirement Choices |          |  
| Computer Science      | Choose 1 | Intro to Computers & Programming (CS 100)  
|                       |          | Intro to C Programming (CS 102)  
|                       |          | Intro to Programming Using JAVA (CS 103)  
|                       |          | Intro to CS Using Python (CS 104)* - Strongly recommended  
| Technical Writing     |          | Technical Writing (EH 301) Required course for Science Majors  
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* - Strongly recommended