

| Course Title | ACC Course | UAH Equivalent | STARS Area | Hours | Concentration For Which Required: |
|--|---|-----------------------|------------|-------|---|
| English Composition Courses | | | | | |
| English Composition I | ENG 101 | EH 101 | Area I | 3 | All |
| English Composition II | ENG 102 | EH 102 | Area I | 3 | All |
| ** A sequence in History or Literature is required Humanities and Fine Arts Courses (12 Hours) | | | | | |
| Fine Art | ART 100 | ARH 1XX | Area II | 3 | All |
| | ART 203 | ARH 100 | Area II | | |
| | ART 204 | ARH 101 | Area II | | |
| | MUS 101 | MU 100 | Area II | | |
| | THR 120 | CM 122 | Area II | | |
| Literature | ENG 251, 261, 271 | EH 207 | Area II | 3 | All |
| | ENG 252, 262, 272 | EH 208 | Area II | | |
| Speech | SPH 107 | CM 113 | Area II | 3 | All |
| Humanity/ Fine Art/Literature** | PHL 206 | PHL 102 | Area II | 3 | All ³ |
| Mathematics Courses | | | | | |
| Pre-Calculus Algebra | MTH 112 | MA 112 | | 3 | All ⁴ |
| Pre-Calculus Trigonometry | MTH 113 | MA 113 | | 3 | All ⁴ |
| Calculus with Applications | MTH 120 | MA 120 | Area III | 3 | HDSI/Human Dimensions & Societal Impacts ⁵ |
| Calculus I | MTH 125 | MA 171 | Area III | 4 | All |
| Calculus II | MTH 126 | MA 172 | Area V | 4 | ATS/Meteorology, GIS/Remote Sensing |
| Calculus III | MTH 227 | MA 201 | Area V | 4 | ATS/Meteorology |
| Differential Equations | MTH 238 | MA 238 | Area V | 3 | ATS/Meteorology |
| Statistics | MTH 265 | MA 281 | Area V | 3 | GIS/Remote Sensing, HDSI/Human Dimensions & Societal Impacts |
| Science Courses | | | | | |
| Intro to Chemistry | CHM 104 | CH 101/105 | Area V | 4 | HDSI/Human Dimensions & Societal Impacts ⁵ |
| General Chemistry I | CHM 111 | CH 121/125 | Area V | 4 | GIS/Remote Sensing, ATS/Meteorology, HDSI ⁵ |
| General Physics I | PHY 201 | PH 101 | Area III | 4 | HDSI/Human Dimensions & Societal Impacts ⁵ |
| General Physics II | PHY 202 | PH 102 | Area III | 4 | HDSI/Human Dimensions & Societal Impacts ⁵ |
| Gen Physics w/ Calc I | PHY 213 | PH 111/114 | Area III | 4 | GIS/Remote Sensing, ATS/Meteorology, HDSI ⁵ |
| Gen Physics w/ Calc II | PHY 214 | PH 112/115 | Area III | 4 | GIS/Remote Sensing, ATS/Meteorology, HDSI ⁵ |
| ** A sequence in History or Literature is required History, Social & Behavioral Sciences Courses (12 Hours) | | | | | |
| History | HIS 101 | HY 101 | Area IV | 3 | All |
| | HIS 102 | HY 102 | Area IV | | |
| | HIS 121 | HY 103 | Area IV | | |
| | HIS 122 | HY 104 | Area IV | | |
| | HIS 201 | HY 221 | Area IV | | |
| | HIS 202 | HY 222 | Area IV | | |
| Social & Behavioral Science | ANT 200 | SOC 105 ⁷ | Area IV | 6 | GIS/Remote Sensing ⁶ , ATS/Meteorology ⁶ , HDSI/Human Dimensions & Societal Impacts ⁷ |
| | ECO 231 | ECN 142 | Area IV | | |
| | ECO 232 | ECN 143 | Area IV | | |
| | GEO 100 | GY 105 ^{6,7} | Area IV | | |
| | GEO 201 | GY 110 ^{6,7} | Area IV | | |
| | POL 211 | PSC 101 | Area IV | | |
| | PSY 200 | PY 101 | Area IV | | |
| | PSY 210 | PY 201 | Area IV | | |
| | SOC 200 | SOC 100 ⁷ | Area IV | | |
| SOC 210 | SOC 102 | Area IV | | | |
| History/ Soc & Beh Sci** | Choose 3 hours from: Anthropology, Economics, Geography, History, Political Science, Psychology, or Sociology | | | | All |
| Additional Courses | | | | | |
| C/C++ Programming | CIS 251 | CS 102 | Area V | 3 | All |

1. UAH Earth System Science offers 3 concentrations: Atmospheric Science/Meteorology (ATS/Met), Geographic Information Systems & Remote Sensing (GIS/Remote Sensing), and Human Dimensions & Societal Impacts (HDSI).

2. A maximum of 64 credit hours from a two-year institution can be applied toward a Science degree at UAH.

3. An Ethics class is required: PHL 102 (Intro to Ethics).

4. MA 112 and MA 113 are pre-requisites to MA 171. MA 112 and MA 113 are not required unless it is necessary to take these pre-requisite courses.

5. HDSI/Human Dimensions & Societal Impacts: A Calculus course, Chemistry course and Physics sequence is required. Choose MA 120 or MA 171, Choose CH 101/105 or CH 121/125, and choose PH 101 & 102 or PH 111/114 & PH 112/115.

6. ATS/Meteorology and GIS/Remote Sensing: GY 105 and GY 110 are strongly recommended.

7. HDSI/Human Dimensions & Societal Impacts: PSC 101, GY 105, GY 110, SOC 100, and SOC 105 are required.