Mathematical Sciences, BS

- All College of Science degrees require at least 120 credit hours.
- 36 of those 120 credit hours must be taken at 300 level or higher.
- 12 credit hours of 300 level and above must be taken in the major or 6 credit hours in the major and 6 credit hours in the minor (if chosen).
- 12 of the last 18 credit hours must be taken at UAH, with an overall 25% of coursework taken at UAH.
- No more than 60 credit hours from a two-year college can be applied toward a UAH degree.
- A C- or better is required for all College of Science prerequisite courses, unless otherwise noted.

For UAH degree requirements and graduation application instructions, see [here](http://catalog.uah.edu/undergrad/policies-procedures/application-graduation/).

### Charger Foundations

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or WLC 202J INTERM FORGN LANG II: JAPANESE
or WLC 202R INTERM FOREIGN LANG II: RUSSIAN
WLC 204 INTERNATIONAL CINEMA
PHL 101 INTRODUCTION TO PHILOSOPHY
PHL 102 INTRO TO ETHICS
PHL 103 INTRODUCTION TO LOGIC
PHL 150 TECH, SCIENCE & HUMAN VALUES
WGS 200 INTRO WOMENS/GENDER/SEXLTY STU
AMS 229 ANCIENT & MEDIEVAL WORLDS
ARH 100 ARH SUR: ANCIENT-MEDIEVAL
ARH 101 ARH SUR: RENAISSANCE-MODERN
ARH 103 ARH SUR: WORLD ART
ARS 160 DRAWING: FOUNDATIONS
TH 122 THEATRE APPRECIATION
TH 123 INTRO TO FILM STUDIES
MU 100 INTRO TO MUSIC LITERATURE

Area III: Mathematics and Sciences 11-12
Mathematics 3-4
MA 105 NATURE OF MATHEMATICS
MA 107 ALGEBRA WITH APPLICATIONS
MA 110 FINITE MATHEMATICS
MA 112 PRECALCULUS ALGEBRA
MA 113 PRECALCULUS TRIGONOMETRY
MA 115 PRECALCULUS ALGEBRA & TRIG
MA 120 MATH PROFESSIONAL APPLICATIONS
MA 171 CALCULUS A
MA 181 INTRODUCTION TO STATISTICS
Natural Sciences (Lab) 8
AST 100 SURVEY OF ASTRONOMY
AST 106 EXPLORING THE COSMOS I
AST 107 EXPLORING THE COSMOS II
BYS 109 FUNDAMENTALS OF BIOLOGY
BYS 119 PRINCIPLES OF BIOLOGY
& BYS 121 and LABORATORY
BYS 120 ORGANISIMAL BIOLOGY
& BYS 122 and ORGANISIMAL BIOLOGY LAB
BYS 215 HUMAN ANATOMY & PHYSIOLOGY I
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### Social and Behavioral Sciences

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### Physics Sequence:

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### Additional Lab Science: choose one

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### Major Requirements

**Mathematics Core:**

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**Mathematical Sciences Elective Requirements:**

Choose three 300-level or higher MA courses to reach a minimum of 9 credit hours

### General Electives

Additional courses to reach 120 credit hours. Electives can be taken from any department and do not have to be taken in your major or minor.

No more than 4 credits of 100-level HPE courses can count toward degree requirements.

### Total Degree Hours

120

*Students must take one literature and one history course. Students must also take either a second literature or history course to complete a sequence. Acceptable Literature sequences must include one early literature (EH 207 or EH 242 or EH 209) and one later literature (EH 208 or EH 210). Acceptable history sequences are (HY 103 + HY 104), or (HY 221 + HY 222)
Based on Math Placement (http://www.uah.edu/science/departments/math/undergraduate-students/placement/), prerequisite (MA 112 (https://catalog.uah.edu/search/?P=MA%20112) and/or MA 113 (https://catalog.uah.edu/search/?P=MA%20113)) Mathematics courses may be required.

Note: This is only an example and variations are possible. Please work with your advisor (https://www.uah.edu/science/academic-advising/) as some courses are only offered one semester out of the academic year.

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#### General Elective

3

#### General Elective

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<td>General Elective (300+ or 400+ course)</td>
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<td>Social and Behavioral Science</td>
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<th>Term</th>
<th>Semester Hours</th>
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<td><strong>Spring</strong></td>
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<tr>
<td>Mathematics Elective (300+ or 400+ course)</td>
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<tbody>
<tr>
<td><strong>Total Semester Hours</strong></td>
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</table>

**FA** Course is historically offered on in Fall semesters.

**SP** Course is historically offered on in Spring semesters.