The Bachelor of Science in Engineering Technology (BSET) degree requires at least 120 credit hours.
- 36 of those credit hours must be taken at the 300 level or higher with 6 credit hours taken at the 400 level.
- 12 of the last 18 hours must be completed at UAH, with an overall 25% of coursework taken at UAH.
- No more than 60 credit hours from a 2-year college can be applied toward a UAH degree.
- All Engineering Technology (ET) courses and prerequisite courses must be completed with a minimum grade of C-.

**Charger Foundations (General Education Requirements)**

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Semester Hours</th>
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<td>EH 101</td>
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<td>EH 102</td>
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<td>TH 123</td>
<td>INTRO TO FILM STUDIES</td>
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<td>EH 241</td>
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<td>EH 242</td>
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<td>LOVE &amp;/OR ROMANCE</td>
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<td>EH 246</td>
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<td>or WLC 102F</td>
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or WLC 201G  INTERM FOREIGN LANG: GERMAN
or WLC 201J  INTERM FOREIGN LANG: JAPANESE
or WLC 201R  INTERM FOREIGN LANG: RUSSIAN

WLC 202S  INTERM FOREIGN LANG II: SPANISH
or WLC 202A  INTERM FOREIGN LANG II: ARABIC
or WLC 202F  INTERM FOREIGN LANG II: FRENCH
or WLC 202G  INTERM FOREIGN LANG II: GERMAN
or WLC 202J  INTERM FOREIGN 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/SEXITY 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  

Mathematics  

<table>
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<tr>
<th>Course</th>
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<tbody>
<tr>
<td>MA 105</td>
<td>NATURE OF MATHEMATICS</td>
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<tr>
<td>MA 107</td>
<td>ALGEBRA WITH APPLICATIONS</td>
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<tr>
<td>MA 110</td>
<td>FINITE MATHEMATICS</td>
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<tr>
<td>MA 112</td>
<td>PRECALCULUS ALGEBRA</td>
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<td>MA 113</td>
<td>PRECALCULUS TRIGONOMETRY</td>
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<tr>
<td>MA 115</td>
<td>PRECALCULUS ALGEBRA &amp; TRIG</td>
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<tr>
<td>MA 120</td>
<td>MATH PROFESSIONAL APPLICATIONS</td>
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<td>MA 171</td>
<td>CALCULUS A</td>
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<td>MA 181</td>
<td>INTRODUCTION TO STATISTICS</td>
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Natural Sciences (Lab)  

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<tr>
<td>AST 100</td>
<td>SURVEY OF ASTRONOMY</td>
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<tr>
<td>AST 106</td>
<td>EXPLORING THE COSMOS I</td>
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<td>AST 107</td>
<td>EXPLORING THE COSMOS II</td>
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<td>BYS 109</td>
<td>FUNDAMENTALS OF BIOLOGY</td>
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<td>BYS 119 &amp; BYS 121</td>
<td>PRINCIPLES OF BIOLOGY and LABORATORY</td>
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<tr>
<td>BYS 120 &amp; BYS 122</td>
<td>ORGANISMAL BIOLOGY and ORGANISMAL BIOLOGY LAB</td>
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<tr>
<td>BYS 215</td>
<td>HUMAN ANATOMY &amp; PHYSIOLOGY I</td>
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<tr>
<td>CH 101 &amp; CH 105</td>
<td>INTRO TO CHEMISTRY and INTRO CHEMISTRY LAB</td>
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<tr>
<td>CH 121 &amp; CH 125</td>
<td>GENERAL CHEMISTRY I and GENERAL CHEMISTRY LABORATORY I</td>
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<tr>
<td>CH 123 &amp; CH 126</td>
<td>GENERAL CHEMISTRY II and GENERAL CHEMISTRY LABORATORY II</td>
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<tr>
<td>CH 151 &amp; CH 105</td>
<td>GENERAL, ORGANIC, BIOCHEMISTRY and INTRO CHEMISTRY LAB</td>
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<tr>
<td>PH 100</td>
<td>CONCEPTUAL PHYSICS</td>
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### Area IV: History and Social and Behavioral Sciences*

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<tbody>
<tr>
<td>HY 103</td>
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<td>HY 104</td>
<td>WORLD HISTORY SINCE 1500</td>
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<tr>
<td>HY 221</td>
<td>UNITED STATES TO 1877</td>
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<td>HY 222</td>
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#### Social and Behavioral Sciences

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<tr>
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<tbody>
<tr>
<td>AES 105</td>
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<td>AES 110</td>
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<td>GS 200</td>
<td>GLOBAL SYSTEMS AND CULTURES</td>
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<tr>
<td>PSC 101</td>
<td>INTRO TO AMERICAN GOVERNMENT</td>
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<td>PSC 102</td>
<td>INTRO TO COMPARATIVE POLITICS</td>
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<td>PSC 260</td>
<td>INTRODUCTION TO INTERNATIONAL RELATIONS</td>
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<td>PY 101</td>
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<td>PY 201</td>
<td>LIFE-SPAN DEVELOPMENT</td>
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<tr>
<td>SOC 100</td>
<td>INTRODUCTION TO SOCIOLOGY</td>
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<tr>
<td>SOC 103</td>
<td>INTRODUCTION TO CRIMINOLOGY</td>
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*Take either 1 EH (Area II) + 2 HY (Area IV) <OR> 2 EH (Area II) + 1 HY (Area IV). Take no more than six hours in a single discipline in Area II or Area IV.

### Area V: Pre Professional Requirements

<table>
<thead>
<tr>
<th>Code</th>
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<tbody>
<tr>
<td>FYE 101S</td>
<td>CHARGER SUCCESS - SCIENCE</td>
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<tr>
<td>MA 171</td>
<td>CALCULUS A or higher</td>
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<tr>
<td>EGR 101</td>
<td>INTRO COMPUTING ENGINEERS Or equivalent (Python preferred)</td>
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<tr>
<td>MSC 287</td>
<td>BUSINESS STATISTICS I</td>
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<tr>
<td>PH 101</td>
<td>GENERAL PHYSICS I Or PH 111/113 and PH 112/114</td>
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<tr>
<td>PH 101L</td>
<td>GENERAL PHYSICS I LAB</td>
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<tr>
<td>PH 102</td>
<td>GENERAL PHYSICS II</td>
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<td>PH 102L</td>
<td>GENERAL PHYSICS LAB II</td>
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**Total Semester Hours: 19**

### Area VI: Engineering Technology Requirements

<table>
<thead>
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<tr>
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<tr>
<td>ET 302</td>
<td>ENGINEERING TECH FNDNS II</td>
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<tr>
<td>ET 305</td>
<td>ENGINEERING COMMUNICATION</td>
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<tr>
<td>ET 310</td>
<td>COMPUTER-AIDED DESIGN</td>
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<td>ET 314</td>
<td>QUALITY CONTROL TECHNIQUES</td>
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<tr>
<td>ET 334</td>
<td>PRINCIPLES OF STATICS</td>
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### Bachelor of Science - Engineering Technology

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<td>ET 336</td>
<td>PRINCIPLES OF DYNAMICS</td>
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<td>ET 341</td>
<td>ELECTRICAL CIRCUITS &amp; SYSTEMS</td>
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<td>FUNDAMENTALS OF MANUFACTURING</td>
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<td>ET 433</td>
<td>INSTRUMENTATION &amp; MEASUREMENT</td>
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<td>ET 498</td>
<td>PROJECT MANAGEMENT FOR ET</td>
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<tr>
<td>ET 499</td>
<td>CAPSTONE FOR ENGINEERING TECH</td>
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**Total Semester Hours**

40

Engineering Technology ET Electives (count towards the General Electives)

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<td>SPECIAL TOPICS IN ENGINEERING TECHNOLOGY</td>
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<tr>
<td>ET 495</td>
<td>INTERNSHIP FOR ENG TECHNOLOGY</td>
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General Elective Courses (Total of 23-32 hours) - Up to 32 hours of technical credit may be accepted as electives.

Total Degree Requirements 120