Computer Science, BS - Web Programming

* 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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**Area III: Mathematics and Sciences**  
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**Mathematics**  
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<td>MA 110</td>
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<td>MA 115</td>
<td>PRECALCULUS ALGEBRA &amp; TRIG</td>
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**Natural Sciences (Lab)**  
8

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### Area V: Pre-Professional

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Choose any three 300-level or higher CS courses.
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.

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Total Degree Hours

* 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, prerequisite (MA 112 and/or MA 113) 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.

Year 1

Fall

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Term Semester Hours: 14

Spring

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Term Semester Hours: 16

Year 2

Fall

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Term Semester Hours: 16

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Term Semester Hours: 3

Year 3

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<td>ARS 332</td>
<td>GRAPHIC DESIGN: WEB DESIGN</td>
<td>3</td>
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<tr>
<td>Lab science</td>
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**Term Semester Hours:** 13

**Year 4**

**Fall**

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Hours</th>
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</thead>
<tbody>
<tr>
<td>CS 453</td>
<td>CLIENT/SERVER ARCHITECTURES FA</td>
<td>3</td>
</tr>
<tr>
<td>CS 485</td>
<td>COMPUTER SOFTWARE SECURITY</td>
<td>3</td>
</tr>
<tr>
<td>or CS 487</td>
<td>or DATABASE SYSTEMS</td>
<td></td>
</tr>
<tr>
<td>Computer Science Elective</td>
<td>(CS 300+ or 300+ course)</td>
<td>3</td>
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<tr>
<td>EH 301</td>
<td>TECHNICAL WRITING</td>
<td>3</td>
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<tr>
<td>Humanities, 2nd Fine art or 2nd Literature</td>
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**Term Semester Hours:** 15

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<tr>
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<tbody>
<tr>
<td>CS 424</td>
<td>PRINCIPLES PROGRAMMING LANG</td>
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<tr>
<td>CS 490</td>
<td>INTRO TO OPERATING SYSTEMS</td>
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<tr>
<td>CS 499</td>
<td>SR PROJ: TEAM SOFTWARE DESIGN</td>
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<tr>
<td>Social and Behavioral Science</td>
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<td>3</td>
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<tr>
<td>General Elective</td>
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**Term Semester Hours:** 15

**Total Semester Hours:** 120

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

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

**Lab science sequence:** Choose from AES 103/103L & AES 104/104L, BYS 119/121 & BYS 120/122, CH 121/125 & CH 123/126, or PH 111/114 & PH 112/115.