

## AAS WEB DATABASE DEVELOPER ADVISING SHEET

Highline’s Web/Database Developer program equips you with the practical skills you need to develop interactive, data-driven websites for small to mid-size businesses. Students will apply current Web tools and technologies to business problems to create professional solutions.

Students seeking a particular skill-set may complete one or more of the certificates shown below. To earn an AAS Degree in Web/Database Developer, students will complete all four certificates.

<b>Client Side Scripting Certificate (26 credits)</b>	
CSCI 102	Intro to Web Development <i>Fa, W, Sp, Su</i>
CSCI 202	Web Development II <i>Spr, Fa*</i>
CSCI 212	Web Development w/ Javascript <i>W</i>
CSCI 201	CMS Featuring WordPress <i>W</i>
CSCI 112	Animation with Scripting <i>Fa, W, Sp, Su</i>
CIS 140	Internship (1 cr)

<b>General Requirements</b>	
ENGL& 101	English Composition I
MATH& 141** or Math& 146 ** or PHIL& 120	Pre-Calculus Statistics Symbolic Logic
BUSN 160	Human/Labor Relations

\*\* Students transferring to CWU (BAS-ITAM) or students transferring to HC’s BAS in Cybersecurity are required to take Math& 146.

<b>Server Side Scripting Certificate (26 credits)</b>	
CS& 132	Python <i>Fa, W, Sp, Su</i>
CSCI 116	Web/Database Programming I <i>Fa, Wi, Sp</i>
CIS 218	Database Programming & SQL <i>Fa, Sp</i>
CSCI 215	Web/Database Programming II <i>W</i>
CSCI 232	Python II <i>Sp</i>
CIS 140	Internship (1cr)

<b>Electives (25 credits)</b>	
Electives	Refer below
CIS 140	Internship (1cr)

**AAS Degree: 93 credits TOTAL**

**For more information, contact:**

Ravinder Kang, Room 29-247, (206)592-3337, [rkang@highline.edu](mailto:rkang@highline.edu)

## Web/Database Electives

With the assistance of your academic advisor, select 25 credits of electives from the *one or more* of the following emphasis areas, or in another related area of interest.

<b><i>CWU BAS Transfer</i></b>
<ul style="list-style-type: none"><li>• BUSN 125 – Exploring E-Commerce</li></ul>
<ul style="list-style-type: none"><li>• PHIL&amp; 120 – Elementary Symbolic Logic</li></ul>
<ul style="list-style-type: none"><li>• ENGL 205 – Research and Persuasive Writing</li></ul>
<b><i>Programming/Scripting</i></b>
<ul style="list-style-type: none"><li>• CS&amp; 141 – Intro to OOP w/Java</li></ul>
<ul style="list-style-type: none"><li>• CSCI 143 – Java II Data Structures</li></ul>
<b><i>Others</i></b>
<ul style="list-style-type: none"><li>• CIS 215 Intro to UNIX/Linux</li></ul>
<ul style="list-style-type: none"><li>• VICOM 230 – Photoshop I</li></ul>
<ul style="list-style-type: none"><li>• CIS 113 – Introduction to 3D Graphics</li></ul>

<b><i>Highline BAS in Cybersecurity</i></b>
<ul style="list-style-type: none"><li>• CIS 150 – OS &amp; Hardware Fundamentals</li></ul>
<ul style="list-style-type: none"><li>• CIS 160 – Intro to Networks</li></ul>
<ul style="list-style-type: none"><li>• CIS 161 – Local Area Networks</li></ul>
<ul style="list-style-type: none"><li>• CIS 155 Intro to Data Recovery</li></ul>
<ul style="list-style-type: none"><li>• CIS 166 Networking Intrusion Detection</li></ul>

<b><i>Introductory</i></b>
<ul style="list-style-type: none"><li>• CSCI 100 Survey of Computing</li></ul>
<b><i>Others</i></b>
<ul style="list-style-type: none"><li>• CIS 190 Intro to Cyber Design (1 – 5 credits)</li></ul>