

Please use this matrix (schedule) as a guideline for completing the program.

**PROGRAM NAME: Computer Science, AS**  
**TOTAL DEGREE CREDITS REQUIRED: 60-63**

**Semester 1**

Course #	Course Title	Credits
CIS 120	Introduction to Programming	3
ENG 101	English Composition I	3
MAT 221	Calculus with Analytic Geometry	4
BIO 181 <b>OR</b>	General Biology I with Lab	4
CHM 151	General Chemistry I with Lab	
	<b>Total Credits:</b>	14

**Semester 2**

Course #	Course Title	Credits
CIS 208	Programming in C#	3
	Choose (1) course from the Social and Behavioral Sciences (Section D) of the AGEC-S	3
ENG 102	English Composition II	3
	Choose (1) course from the Arts and Humanities (Section C) of the AGEC-S	3
BIO 182 <b>OR</b>	General Biology II with Lab	4
CHM 152	General Chemistry II with Lab	
	<b>Total Credits:</b>	16

**Semester 3**

Course #	Course Title	Credits
EGR 102	Introduction to Engineering with Lab ( <b>offered fall semester only</b> ) <b>Note:</b> Student has the choice to either enroll in EGR 102 or CIS 210 (offered spring semester only). If EGR 102 is not chosen for this semester, choose (1) course from the Social and Behavioral Sciences (Section D) of the AGEC-S	*3
CSC 110	Computer Science I	4
CIS 204	Programming and Game Development in C++	3
CIS 206	Programming for the Web in JavaScript	3
	Choose (1) course from the Options (Section F) of the AGEC-S *Please consult with the transfer institution and/or student services specialist.	3-5
	<b>Total Credits:</b>	16-18

**Semester 4**

Course #	Course Title	Credits
CSC 210	Computer Science II	4
CIS 210	Database Management and SQL Design <b>Note:</b> CIS 210 is unnecessary if the EGR 102 was successfully completed. If EGR 102 was successfully completed, choose (1) course from the Social and Behavioral Sciences (Section D) of the AGEC-S	*3
	Choose (1) course from the Arts and Humanities (Section C) of the AGEC-S	3
	Choose (1) course from the Options (Section F) of the AGEC-S *Please consult with the transfer institution and/or student services specialist.	4-5
	<b>Total Credits:</b>	14-15

