



**A.S. DEGREE TO B.S. DEGREE**

**Purpose:** This curriculum is designed for students who plan to complete an Associate in Science Degree in Computer Science at Murray State College and then transfer to Southeastern Oklahoma State University to complete a Bachelor of Science in Computer Science Degree. The Associate in Science Degree fulfills the lower division University studies requirement.



**COMPUTER SCIENCE**

MSC-Associate in Science

**Freshman Year-Murray State College**

<b>Fall Semester</b>		<b>Spring Semester</b>		
ORI 1011	New Student Orientation	1 ENG 1213	English Composition II	3
ENG 1113	English Composition I	3 MTH 1513	College Algebra	3
CIS 1113	Computer Applications	3 PE 1112	Personal Health	2
CS 1313	Logic and Problem Solving	3 CS 2163	C++ Programming	3
	Science w/Lab Elective	4	Program Elective*	<u>3</u>
	Program Elective*	<u>3</u>		14
		17		

\*Consult with an advisor.

**Sophomore Year-Murray State College**

<b>Fall Semester</b>		<b>Spring Semester</b>		
HST 1483 or 1493	United States History	3 GVT 1113	American Federal Government	3
ACC 2103	Fund of Financial Accounting	3	Humanities Elective	3
	Liberal Arts Elective	3	Science Elective	4
	Humanities Elective	3	Arts & Sciences Elective	3
	Program Electives*	<u>6</u>	Program Elective *	<u>3</u>
		18		16

\*Consult with an advisor.

SE-Bachelor of Science

**+Junior Year-Southeastern Oklahoma State University**

<b>Fall Semester</b>		<b>Spring Semester</b>		
MATH 2013	Introduction to Discrete Math	3 CS 3143	Computer Architecture	3
CS 1623	Computer Science II	3 CS 2513	Seminar in Programming	3
CIS 2343	Web Page Design/Internet Prog	3 CIS 4343	Applied Net-Centric Computing	3
CS 2813	Data Structures	3 MATH 2215	Calculus I	5
CIS 3223	Net-Centric Computing	<u>3</u> CIS 3323	Database Analysis	<u>3</u>
		15		17

**+Senior Year-Southeastern Oklahoma State University**

<b>Fall Semester</b>		<b>Spring Semester</b>		
CS 4223	Algorithm Analysis	3 CS 4113	Operating Systems	3
CS 4413	Systems Analysis	3 CS 4423	Software Engineering	3
CS 4323	Programming Languages	3 CS 4981	Senior Seminar	1
STAT 2153	Statistical Methods	3 CS 4623	Advanced Web Based Applications Dev	3
	Upper-Division CS/CIS Elective*	<u>3</u>	Upper-Division CS/CIS Elective*	3
		15	Upper-Division Elective	<u>3</u>
				16

\*See advisor

Total hours transferred from Murray State College: 65  
 Total hours needed to complete Bachelor of Science in Computer Science: 63

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