

2 + 2 Agreement: AS in Computer Science at Manchester Community College  
and BS in Computer Science at Plymouth State University

**Years 1 and 2 at Manchester Community College**

Course ID	Course Title	Credits
<u>Year One</u>		
	<u>at MCC</u>	
CIS111	Foundations of Computer Technologies	3
CIS113	Database Design/Management	4
CIS210	Data Structures & Elem.Algor.	4
CIS148 or 158	Java Programming or C# Programming	3
ENGL110	College Composition I	4
ENGL206	Professional Communication	3
INT101	College Success Seminar	1
MATH141	Advanced Algebra & Trig	4
MATH170	Discrete Mathematics	4
	Social Science Elective	3
	Sub-total for Year One at MCC	33
<u>Year Two</u>		
	<u>at MCC</u>	
CIS274	XML Programming I	3
CIS291	Capstone Senior Seminar	3
CIS116	Computer Networking I	3
CIS158 or 148	C# Programming or Java Programming	3
CIS233	Oracle Database Admin I	3
CIS129	Network Security	3
CIS220	Object-Oriented Programming	3
HUMA150	Critical Thinking	3
MATH171	Pre-Calc	4
	Lab Science Elective	4
	Liberal Arts Elective	3
	Sub-total for Year One at MCC	35
	<b>Total Credits for AS Computer Science</b>	<b>68</b>

**Years 3 and 4 at PSU**

Course ID	Course Title	Credits
<u>Year Three</u>		
	<u>at PSU</u>	
CS 2220	Computer Hardware	3
CS 3720	Systems Analysis & Design	3
CS 4140	Software Engineering	3
CS 4520	CyberEthics	3
MA 2300	Statistics I	3
MA 2490 or 2550	Semester 1 (of 2) of calculus	4
GACO	Global Awareness Connection	3
SIDI	Scientific Inquiry Direction	3-4
	Sub-total for Year One at PSU	25-26
<u>Year Four</u>		
	<u>at PSU</u>	
CS 3780	Introduction to Computational Theory	3
CS 4250	Computer Architecture	3
CS 4310	Operating Systems	3
CS 4750	Senior Project	3
CS	CS Elective	4-3
MA 2500 or 2560	Semester 2 (of 2) of calculus (QRCO)	4
SWL	Science with Lab	4
WECO	Wellness Connection	3
	Elective	0
	Sub-total for Year Two at PSU	27-26
	<b>Total Credits taken at PSU</b>	<b>52</b>
	<b>Total Credits for BS Computer Science Degree</b>	<b>120</b>