

**2+2 Agreement: Computer Science Major at Sunway University and  
BS in Computer Science at Plymouth State University**

<b>Years 1 and 2 and SUNWAY UNIVERSITY</b>		
<b>Course ID</b>	<b>Course Title</b>	<b>Credits</b>
BIOL 1013	*General Biology and BIOL 1021 (Area VI)	4
CHEM 1033	General Chemistry and CHEM 1041	4
CHEM 1053	*General Chemistry II and CHEM 1061	4
COMM 1013	*Public Speaking and Presentation Skills	3
CSCP 1014	Programming I	4
CSCP 2014	Programming II	4
MATH 1034	Calculus I	4
MATH 1044	Calculus II	4
MATH 1054	Discrete Mathematics Structure	3
MATH 3024	Linear Algebra	4
PHYS 2014	*Physics I and PHYS 2012	5
PHYS 2034	*Physics II and PHYS 2041	5
General Education and Proficiency Courses		<u>18</u>
Area I:	THEA 1013 Introduction to Theatre	
Area II:	HIST 3013 Intellectual History of Modern West	
Area III:	HIST 1013 Multicultural America	
Area IV:	POLS 3013 Pacific Asia Today	
Area V:	Social and Behavioral Sciences	
Area VII:	Natural Science and Technology	
COMM 1023	Introduction to Human Communications	
CSCI 1013	Introduction to Computer Applications	
ENGL 2014	Introduction to Critical and Creative Writing	
MATH 1013	Finite Mathematics	
MATH 1024	Pre-calculus	
Total credits required for Computer Science major		45-66 *Computer Science Theory/Analysis major

<b>Years 3 and 4 at PLYMOUTH STATE UNVIERSITY</b>		
<b>Course ID</b>	<b>Course Title</b>	<b>Credits</b>
CS 2220	Computer Hardware	3
CS 2370	Programming in Java	4
CS 2381	Data Structures/Intermediate Programming	4
CS 2470	Systems Programming in C/C++	2
CS 3221	Algorithm Analysis	4
CS 3600	Database Management Systems	4
CTDI	Creative Thought Direction	3
PPDI	Past and Present Direction	3
SSDI	Self and Society Direction	3
WECO	Wellness Connection	<u>3</u>
Sub-total Credits for Year Three at PSU		33
<u>Year Four</u>	<u>at PSU</u>	
CS 3720	Systems Analysis and Design	3
CS 3780	Introduction to Computational Theory	3
CS 4140	Software Engineering	3
CS 4250	Computer Architecture	3
CS 4310	Operating Systems	3
CS 4520	CyberEthics (DICO) (INCO) (WRCO)	3
CS 4750	Senior Project	3
Computer Science Major Electives - complete two		6
MA 2300	Statistics I (QRCO)	3
Electives		<u>12-0</u>
Sub-total Credits for Year Four at PSU		<u>42-30</u>
Total credits taken at PSU		75-54 Depends on credits earned at Sunway