MATHEMATICS MAJOR at SUNWAY UNIVERSITY 2012-2013
BS Mathematics at Plymouth State University 2013-2014

Sunway Requirements (2012-13 Catalog)	Credits	Satisfies PSU Requirement (2013-14 Catalog)	Credits
CHEM 1033 General Chemistry	*and*		
CHEM 1041 General Chemistry laboratory	4	SIDI Scientific Inquiry Direction (substitution)	4
CSCP 1041 Programming I	4	credits toward BS degree	4
MATH 1034 Calculus I	4	MA 2550 Calculus I (QRCO)	4
MATH 1044 Calculus II	4	MA 2560 Calculus II (QRCO)	4
MATH 1054 Discrete Mathematics Structures	3	MA 3200 Discrete Mathematics	3
MATH 2014 Calculus III	4	MA 3540 Calculus III	4
MATH 3014 Differential Equation	4	MA 3510 Differential Equations	4
MATH 3024 Linear Algebra	4	MA 3120 Linear Algebra	4
PHYS 2014 Physics I	4	credits toward BS degree	4
PHYS 2021 Physics I Lab	1	credits toward BS degree	1
PHYS 2034 Physics II	4	credits toward BS degree	4
PHYS 2041 Physics II Laboratory	1	credits toward BS degree	1
General Education and Proficiency Courses	15		15
Area I: THEA 1013 Introduction to Theatre		CTDI Creative Thought Direction (substitution)	
Area II: HIST 3013 Intellectual History of Modern West		GACO Global Awareness Connection	
Area III: HIST 1013 Multicultural America		PPDI Past and Present Direction and Diversity (DICO)	
Area IV: POLS 3013 Pacific Asia Today		credits toward BS degree	
Area V: Social and Behavioral Sciences		SSDI Self and Society Direction (substitution)	
Area VI: Natural Science with Laboratory		SIDI Scientific Inquiry Direction	
Area VII: Natural Science and Technology		credits toward BS degree	
COMM 1013 Public Speaking and Presentation Skills		credits toward BS degree	
COMM 1023 Introduction to Human Communications		credits toward BS degree	
CSCI 1013 Introduction to Computer Applications		credits toward BS degree	
ENGL 2014 Introduction to Critical and Creative Writing		EN 1999 Composition (COMP)	
MATH 1013 Finite Mathematics		credits toward BS degree	
MATH 1024 Pre-calculus		credits toward BS degree	
Total required for Mathematics Major at Sunway	56	Sub-total	56
Complete approximately 56 credit hours with a minimum grade of C in all courses.		MA 2000 Introduction to Formal Mathematics (MATH)	3
		MA 3110 Logic, Proofs, Axiomatic Systems (WRCO)	3
		MA 3500 Probability and Statistics for Scientists	3
		MA 4140 Abstract Algebra (WRCO)	3
		MA 4430 Numerical Analysis (TECO)	3
		MA 4510 Introduction to Analysis	3
		Mathematics electives – complete from the following:	12
		MA 3130 Directed Research in Mathematics	
		MA 3230 Geometries (TECO) (WRCO)	
		MA 3280 Regression Analysis	
		MA 3460 History of Mathematics (GACO) (WRCO)	
		MA 4220 Topics in Mathematics	
		MA 4350 Probability Theory	
		Computer Science elective – complete one:	2-4
		CS 2370 Programming in Java	
		CS 2400 Scientific Programming	
		CS 2470 Systems Programming in C/C++	
		CTDI Creative Thought Direction	3
		PPDI Past and Present Direction	3
		SSDI Self and Society Direction	3
		INCO Integration Connection	3
		WECO Wellness Connection	3
		Electives	*17-15
		Sub-total	64

Total required for the degree	120

*three credits for IS 1111 become electives for transfer students entering with 24 or more credits

The maximum number of transfer credits that can be applied to a PSU bachelor degree is 90.