Articulation Agreement by Major
Effective during the 12-13 Academic Year

====Physics====

PHYSICS: B.A. or B.S., College of Science and Mathematics

OPTIONS AVAILABLE FOR THE B.S. MAJOR: Physics; Astrophysics

This agreement displays the lower-division courses required in the major: CSU Northridge courses on the left and approved (articulated) transfer courses on the right. General education (CSU-GE Breadth or IGETC or CSU Northridge GE) and upper-division courses are also necessary for completion of this degree.

Advanced Placement (AP) Exam information for the major in Physics:
-Score of 4 or 5 on AP Chemistry satisfies CHEM 101/101L
-Score of 4, or 5 on AP Math: Calculus AB satisfies MATH 150A
-Score of 3, 4, or 5 on AP Math: Calculus BC satisfies MATH 150A
-Score of 4, or 5 on AP Math: Calculus AB + BC satisfies MATH 150A and 150B
Consult CSU Northridge catalog for complete AP Exam information.

THE LOWER DIVISION REQUIREMENTS FOR THE B.A. OR B.S. IN PHYSICS ARE AS FOLLOWS:

CHEM 101 &	General Chemistry I	(4)	CHEM 101	General Chemistry w/Lab	(5)
CHEM 101L	General Chemistry I Laboratory	(1)			
MATH 150A	Calculus I	(5)	MATH 103	Calculus and Analytic Geometry	(5)
MATH 150B	Calculus II	(5)	MATH 104	Calculus and Analytic Geometry	(5)
MATH 250	Calculus III	(3)	MATH 105	Calculus and Analytic Geometry	(4)
MATH 262	Introduction to Linear Algebra	(3)	MATH 107	Linear Algebra	(4)
MATH 280	Applied Differential Equations	(3)	MATH 108	Ordinary Differential Equations	(4)
PHYS 225 &	Physics I: Mechanics and Waves	(4)	PHY 101 &	Engineering Physics w/Lab	(5)
PHYS 220AL	Mechanics Laboratory	(1)	PHY 103	Engineering Physics w/Lab	(5)
PHYS 226 &	Physics II: Electricity and Magnetism and Optics	(4)	PHY 102 &	Engineering Physics w/Lab	(4)
			PHY 103	Engineering Physics w/Lab	(5)
PHYS 220BL	Electricity and Magnetism Laboratory	(1)			
PHYS 227 &	Thermodynamics and Modern Physics	(4)	PHY 103	Engineering Physics w/Lab	(5)
PHYS 227L	Thermodynamics and Modern Physics Lab	(1)			

END OF MAJOR

Questions regarding this agreement may be directed to the CSU Northridge Articulation Officer at 818-677-7068 or by e-mail at: patty.faiman@csun.edu

FOR CSU NORTHRIDGE UNDERGRADUATE ADMISSION REQUIREMENTS REFER TO THE WEB SITE AT http://www.csun.edu/anr/applytrf.html