

PHYSICS/MATHEMATICS

Bachelor of Science with a Major in Physics/Mathematics with Certification in Secondary Education

Core Curriculum Areas A-E for Science Majors		42
Core Curriculum Area F (Grade C or better in all these courses)		18
PHYS 2211, 2212 Principles of Physics I, II	8	
MATH 2011, 2012,2013 Calculus I one hour, II, III	9	
CSCI 1301 Principles of Computer Programming	1	
Lower Level Requirements		12
CHEM 1211 & 1212 (hours not taken in Area D)	0	
CSCI 1301 (3 hours from Area F)	3	
EDUC 2110 Investigating Critical & Contemporary Issues in Higher Education	3	
EDUC 2120 Exploring Socio-Cultural Perspectives On Diversity	3	
EDUC 2130 Exploring Learning & Teaching	3	
Physics Concentration (Grade of C or better is required in all these courses)		21
PHYS 3011 Electronics I or PHYS 3040 Advanced Optics	4	
PHYS 3250 Theoretical Mechanics	4	
PHYS 4511 Modern Physics	4	
Select three courses from the 3000 & 4000 level Physics	9	
Mathematics Concentration: (Grade of C or better is required in all these courses)		21
MATH 3020 Differential Equations	3	
MATH 3030 Symbolic Logic and Set Theory	3	
MATH 3280 Linear Algebra	3	
MATH 4211 Modern Abstract Algebra I	3	
MATH 4251 Probability and Statistics I	3	
MATH 4310 Modern Geometry	3	
MATH 4410 History of Mathematics	3	
Secondary Teacher Certification (Grade of C or better is required in all these courses)		25
SCED 4101 Secondary School Student: Implications for Curriculum, Instruction, Assessment & Management	3	
SCED 4102 Secondary School Context & Curriculum Coherence & Classroom Management	3	
SPED 4002 Instructional Strategies for Teaching Students with Disabilities in General Education Settings	3	
Select on the following two courses:		
MATH 4430 Methods of Teaching Secondary Math or SCED 4401 Science Pedagogy	3	
SCED 4901 Secondary Apprenticeship/Seminar	13	
Certification Requirement: Successful completion of the Georgia Assess Online Technology Test or EDTD 3011		
Electives (to handle transfers within the University System)		0
Physical Education		5
Total Hours for the Degree		144