

MATH/PHYSICS DOUBLE MAJOR, BACHELOR OF SCIENCE

Select 5-6 credits	5-6
Total Credits	115-120

Specific Program Requirements

Course	Title	Credits
MATH Courses		
MATH 126	Calculus & Analytic Geometry I (GT-MA1)	5
MATH 224	Calculus and Analytic Geometry II	5
MATH 307	Introduction to Linear Algebra	4
MATH 325	Intermediate Calculus	4
MATH 337	Differential Equations I	3
MATH 338	Differential Equations II	3
Select one of the following:		3-6
MATH 350 & MATH 356	Probability and Statistics for Engineers & Scientists	6
MATH 550	Statistical Methods	3
MATH 421	Introduction to Analysis	4
MATH 427	Abstract Algebra	4
PHYS Courses		
PHYS 221 & 221L	General Physics I and General Physics I Lab	5
PHYS 222 & 222L	General Physics II and General Physics II Lab (GT-SC1)	5
PHYS 301	Analytical & Orbital Mechanics	4
PHYS 323 & 323L	General Physics III and General Physics III Lab	5
PHYS 321 & PHYS 322	Thermodynamics and Advanced Laboratory - Thermo	4
PHYS 431 & PHYS 432	Electricity & Magnetism and Advanced Laboratory-Electricity and Magnetism	5
PHYS 441	Quantum Mechanics	4
PHYS 480	Practicum in Laboratory Instruction	1
PHYS 493	Seminar	1
Other Requirements		
Select one of the following:		3-4
MATH 425	Complex Variables	3
PHYS 341 & PHYS 342	Optics and Advanced Laboratory-Optics	4
PHYS 492 or MATH 492	Research Research	1
CHEM 121 & 121L	General Chemistry I (GT-SC2) and General Chemistry Lab I (GT-SC1)	5
CHEM 122 & 122L	General Chemistry II (GT-SC2) and General Chemistry Lab II (GT-SC1)	5
Select 3 credits in Computer Programming		3
General Education		
Select 24 credits		24
Electives		