

MATH/PHYSICS DOUBLE MAJOR, BACHELOR OF SCIENCE

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 (GT-SC1)	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	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		

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

Planning Sheet

Disclaimer: The Planning Sheet is designed as a guide for student's planning their course selections. The information on this page provides only a suggested schedule. Actual course selections should be made with the advice and consent of an academic advisor. While accurately portraying the information contained in the college catalog, this form is not considered a legal substitute for that document. Students should become familiar with the catalog in effect at the time in which they entered the institution.

Course	Title	Credits
Year 1		
Fall		
MATH 126	Calculus & Analytic Geometry I (GT-MA1)	5
General Education Course		3
General Education Course		3
Elective		3
Credits		14
Spring		
MATH 224	Calculus and Analytic Geometry II	5
PHYS 221 & 221L	General Physics I and General Physics I Lab (GT-SC1)	5
Elective		3
General Education Course		3
Credits		16
Year 2		
Fall		
MATH 325	Intermediate Calculus	4
PHYS 222 & 222L	General Physics II and General Physics II Lab (GT-SC1)	5
General Education Course		3
General Education Course		3
Credits		15
Spring		
MATH 337	Differential Equations I	3
MATH 242	Introduction to Computation	4
PHYS 323 & 323L	General Physics III and General Physics III Lab	5
General Education Course		3
Credits		15
Year 3		
Fall		
MATH 338	Differential Equations II	3
PHYS 341	Optics	3
PHYS 342	Advanced Laboratory-Optics	1
General Education Course		3
General Education Course		3
Elective		3
Credits		16
Spring		
PHYS 301	Analytical & Orbital Mechanics	4
PHYS 321	Thermodynamics	3
PHYS 322	Advanced Laboratory - Thermo	1
MATH 307	Introduction to Linear Algebra	4
Elective		3
Credits		15

Year 4**Fall**

PHYS 431	Electricity & Magnetism	4
PHYS 432	Advanced Laboratory-Electricity and Magnetism	1
PHYS 480	Practicum in Laboratory Instruction	1
MATH 427	Abstract Algebra	4
Elective		3-4

Credits	13-14
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Spring

PHYS 441	Quantum Mechanics	4
PHYS 493	Seminar	1
Elective		3
Elective		3
Elective		3-4

Credits	14-15
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Total Credits	118-120
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