

BACHELOR OF SCIENCE IN PHYSICS - BUSINESS OPTION

Code	Title	Credit Hours
Wellness Requirement		
APPH 1040	Scientific Foundations of Health	2
	or APPH 10 The Science of Physical Activity and Health	
	or APPH 10 Flourishing: Strategies for Well-being and Resilience	
Core IMPACTS		
Institutional Priority		
CS 1301	Introduction to Computing	3
	or CS 1371 Computing for Engineers	
Mathematics and Quantitative Skills		
MATH 1552	Integral Calculus	4
Political Science and U.S. History		
HIST 2111	The United States to 1877	3
	or HIST 2112 The United States since 1877	
	or INTA 1200 American Government in Comparative Perspective	
	or POL 1101 Government of the United States	
	or PUBP 3000 American Constitutional Issues	
Communicating in Writing		
ENGL 1101	English Composition I	3
ENGL 1102	English Composition II	3
Arts, Humanities, and Ethics		
Any HUM		6
Technology, Mathematics, and Sciences		
PHYS 2211	Principles of Physics I ¹	4
PHYS 2212	Principles of Physics II ⁶	4
MATH 1551	Differential Calculus	2
MATH 1553	Introduction to Linear Algebra	2
	or MATH 1554 Linear Algebra	
	or MATH 1554 Linear Algebra with Abstract Vector Spaces	
Social Sciences		
Any SS		9
Field of Study		
MATH 2551	Multivariable Calculus	4
MATH 2552	Differential Equations	4
CHEM 1310	Principles of General Chemistry for Engineers	4
	or CHEM 1200 Chemical Principles I	
PHYS 2213	Introduction to Modern Physics	3
Any PHYS 2XXX not specified or MATH 2106		3
Upper-Level Physics		
PHYS 3122	Electrostatics and Magnetostatics	3
PHYS 3123	Electrodynamics	3
PHYS 3141	Thermodynamics	3
PHYS 3143	Quantum Mechanics I	3
PHYS 3201	Classical Mechanics I	3
PHYS 4142	Statistical Mechanics	3
PHYS 4143	Quantum Mechanics II	3
PHYS 4321	Advanced Laboratory I	3

PHYS 4604	Professional Development	1
PHYS 4605	Scientific Communication	1
Physics or Technical Electives		
Any PHYS or Technical Electives ^{2,3,4,5}		18

Business Option		
ECON 2106	Principles of Microeconomics ⁷	
ACCT 2101	Accounting I: Financial Accounting	3
	or MGT 3000 Financial and Managerial Accounting	
MGT 3101	Organizational Behavior	3
	or MGT 315 Principles of Management	
	or PSYC 221 Industrial/Organizational Psychology	
Choose two of the following:		6
MGT 3062	Financial Management	
MGT 3078	Finance and Investments	
MGT 3300	Marketing Management I	
MGT 3660	International Business	
MGT 4015	Advanced Managerial Accounting	
MGT 4026	Financial Reporting and Analysis I	
MGT 4029	Financial Statement Analysis	
MGT 4030	International Accounting	
MGT 4190	Strategic Quality Management and Competitiveness	
MGT 4191	The Entrepreneurship Forum	
MGT 4192	Impact Speaker Series Forum	
MGT 4193	Servant Leadership, Values & Systems	
MGT 4194	Social Enterprise and Entrepreneurship	
MGT 4303	Personal Selling and Sales Management	
MGT 4304	Strategic Brand Management	
MGT 4307	Strategic Marketing	
MGT 4335	International Marketing	
MGT 4610	Law, Management, and Economics	
MGT 4670	Entrepreneurship	

Free Electives		
Free Electives		3

Total Credit Hours	122
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Student must have 2.0 in all PHYS classes 3000-level or higher

Pass-Fail only allowed for Free Electives

¹ If PHYS 2231 is taken, extra hour goes toward Physics or Technical Electives

² Any PHYS course or CHEM 3411, CHEM 3412, CHEM 3511, EAS 2750, EAS 4300, EAS 4430, MATH 2106, MATH 3215, MATH 3235, MATH 4320, MATH 4347, MATH 4348, MATH 4581, NRE 3301, NRE 4610

³ Minimum of one class in PHYS 3208, PHYS 3209, PHYS 4322

⁴ Maximum of six credit hours below 3000-level

⁵ Maximum of nine credit hours PHYS 2699 or PHYS 4699

⁶ If PHYS 2232 is taken, extra hour goes toward Physics or Technical Electives

⁷ ECON 2106 is required for students pursuing the Business Option. This course will also satisfy 3 hours of Core IMPACTS Social Sciences requirement.