

# BACHELOR OF SCIENCE IN PHYSICS - BUSINESS OPTION

Code	Title	Credit Hours
<b>Wellness</b>		
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	
<b>Core A - Essential Skills</b>		
ENGL 1101	English Composition I	3
ENGL 1102	English Composition II	3
MATH 1552	Integral Calculus	4
<b>Core B - Institutional Options</b>		
CS 1301	Introduction to Computing	3
	or CS 1371 Computing for Engineers	
<b>Core C - Humanities</b>		
Any HUM		6
<b>Core D - Science, Math, &amp; Technology</b>		
PHYS 2211	Introductory Physics I <sup>1</sup>	4
PHYS 2212	Introductory Physics II <sup>6</sup>	4
MATH 1551	Differential Calculus	2
MATH 1553	Introduction to Linear Algebra	2
	or MATH 1554 Linear Algebra	
	or MATH 1555 Linear Algebra with Abstract Vector Spaces	
<b>Core E - Social Sciences</b>		
Choose one of the following:		3
HIST 2111	The United States to 1877	
HIST 2112	The United States since 1877	
INTA 1200	American Government in Comparative Perspective	
POL 1101	Government of the United States	
PUBP 3000	American Constitutional Issues	
ECON 2106	Principles of Microeconomics	3
Any SS		6
<b>Core F - Courses Related to Major</b>		
MATH 2551	Multivariable Calculus	4
MATH 2552	Differential Equations	4
CHEM 1310	Principles of General Chemistry for Engineers	4
	or CHEM 12 Chemical Principles I	
PHYS 2213	Introduction to Modern Physics	3
PHYS 3201	Classical Mechanics I	3
<b>Upper-Level Physics</b>		
PHYS 3122	Electrostatics and Magnetostatics	3
PHYS 3123	Electrodynamics	3
PHYS 3141	Thermodynamics	3
PHYS 3143	Quantum Mechanics I	3
PHYS 4142	Statistical Mechanics	3
PHYS 4143	Quantum Mechanics II	3
PHYS 4321	Advanced Laboratory I	3
PHYS 4601	Senior Seminar I	1

PHYS 4602	Senior Seminar II	1
<b>Physics or Technical Electives</b>		
Any PHYS or Technical Electives <sup>2,3,4,5</sup>		17
<b>Business Option</b>		
ACCT 2101	Accounting I: Financial Accounting	3
	or MGT 300 Financial and Managerial Accounting	
MGT 3101	Organizational Behavior	3
	or MGT 3150 Principles of Management	
	or PSYC 2220 Industrial/Organizational Psychology	
Choose one 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 4028	Financial Analysis and Reporting of Technology Firms	
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	
<b>Free Electives</b>		
Free Electives		7
<b>Total Credit Hours</b>		<b>122</b>

Student must have 2.0 in all PHYS classes 3000-level or higher

- <sup>1</sup> If PHYS 2231 is taken, extra hour goes toward Free Electives
- <sup>2</sup> 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
- <sup>3</sup> Minimum of one class in PHYS 3211, PHYS 3226, PHYS 4322
- <sup>4</sup> Maximum of six credit hours below 3000-level
- <sup>5</sup> Maximum of nine credit hours PHYS 2699 or PHYS 4699
- <sup>6</sup> If PHYS 2232 is taken, extra hour goes toward Free Electives