

BACHELOR OF SCIENCE IN BIOCHEMISTRY - BUSINESS OPTION

Code	Title	Credit Hours
Wellness		
APPH 1040	Scientific Foundations of Health or APPH 10 The Science of Physical Activity and Health or APPH 10 Flourishing: Strategies for Well-being and Resilience	2
Core A - Essential Skills		
ENGL 1101	English Composition I	3
ENGL 1102	English Composition II	3
MATH 1552	Integral Calculus	4
Core B - Institutional Options		
CS 1301	Introduction to Computing or CS 1315 Introduction to Media Computation or CS 1371 Computing for Engineers	3
Core C - Humanities		
Any HUM		6
Core D - Science, Math, & Technology		
PHYS 2211	Introductory Physics I	4
PHYS 2212	Introductory Physics II	4
MATH 1551	Differential Calculus	2
MATH 1553	Introduction to Linear Algebra	2
Core E - Social Sciences		
Select 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
Core F - Courses Related to Major		
CHEM 1211K	Chemical Principles I	4
CHEM 1212K	Chemical Principles II	4
CHEM 2380	Synthesis Laboratory I	2
MATH 2551	Multivariable Calculus	4
BIOS 1107 & 1107L	Biological Principles and Biological Principles Laboratory	4
Major Requirements		
CHEM 2216 & 2216L	Quantitative Chemical Analysis and Quantitative Chemical Analysis Laboratory or CHEM 22 Quantitative Chemical Analysis	4
CHEM 2311	Organic Chemistry I	3
CHEM 2312	Organic Chemistry II or CHEM 23 Organic and Bioorganic Chemistry	3
CHEM 3216 & 3216L	Analytical Chemistry Lecture and Analytical Chemistry Laboratory	5

or CHEM 32 Analytical Chemistry		
CHEM 3371	Organic Chemistry Laboratory	2
CHEM 3411	Physical Chemistry I	3
CHEM 4511	Biochemistry I	3
CHEM 4512	Biochemistry II	3
CHEM 4521	Biophysical Chemistry	3
CHEM 4581	Biochemistry Laboratory I	3
CHEM 4582	Biochemistry Laboratory II	3
CHEM 4601	Chemistry Seminar	2
Biology Electives		
BIOS 2600	Genetics	3
BIOS 3450	Cell and Molecular Biology	3
Select one of the following:		3
BIOS 3380	Microbiology	
BIOS 3450	Cell and Molecular Biology	
BIOS 4015	Cancer Biology and Biotechnology	
BIOS 4340	Medical Microbiology	
BIOS 4400	Human Neuroanatomy	
BIOS 4401	Experimental Design and Statistical Methods in Biological Sciences	
BIOS 4418	Microbial Physiology	
BIOS 4464	Developmental Biology	
BIOS 4570	Immunology	
BIOS 4607	Molecular Biology of Microbes: Disease, Nature, and Biotechnology	
BIOS 4668	Eukaryotic Molecular Genetics	
CHEM 4765	Drug Design, Development, and Delivery	
Business Option		
ACCT 2101	Accounting I: Financial Accounting or MGT 3000 Financial and Managerial Accounting	3
MGT 3101	Organizational Behavior or MGT 315 Principles of Management or PSYC 22: Industrial/Organizational Psychology	3
Select 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 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

Free Electives

Free Electives ¹ 1

Total Credit Hours 122

Pass-fail only allowed for Free Electives.

¹ A maximum of twelve credit hours of CHEM 4699 taken on a letter-grade basis are permitted for the degree program. Up to six hours of CHEM 2699 taken on a letter-grade basis may be used as free electives.