

Five-Year Degree Plan for Major in Biochemistry/MBA

Note that this is a sample five-year plan. There are other course sequences that will allow a student to graduate within five years as long as prerequisite courses are taken in the proper sequence. This sample plan does not guarantee course availability, and adjustments to students' plans may be necessary if they are unable to take specific courses during specific semesters. Students who are placed into lower level FYW, MAT or other prerequisite courses will need to adjust their four-year plans accordingly. Similarly, students who bring in Advanced Placement, Dual Enrollment or transfer credit for courses will need to adjust their four-year plans. A minimum of a 2.0 GPA both overall and in the major is required for graduation. In addition to major requirements, all components of the Baccalaureate Experience must be completed in order to graduate.

First (Freshman) Year - Fall Semester

CHE 152	General Chemistry I	3
CHE 153L	General Chemistry I Laboratory	1
MAT 260	Calculus I	4
AWR 101	Writing and Inquiry	4
BUS 101	Introduction to Global Business	4
BAC 101	First-Year Seminar I	1
	or	
HON 101	Pathways to Honors 1	1
		Subtotal: 17

CHE 152, CHE 153L, MAT 260: Grade "C" or better

First (Freshman) Year - Spring Semester

CHE 154	General Chemistry II	3
CHE 155L	General Chemistry II Laboratory	1
MAT 261	Calculus II	4
AWR 201	Writing and Research	4
ACC 202	Financial Accounting Information	4
BAC 102	First-Year Seminar II	1
	or	
HON 102	Pathways to Honors 2	1
		Subtotal: 17

CHE 154, CHE 155L, MAT 261: Grade "C" or better

First (Freshman) Year - Summer

BIO 198	General Biology I	4
BIO 198L	General Biology I Laboratory	
BIO 199	General Biology II	4
BIO 199L	General Biology II Laboratory	
		Subtotal: 8

Second (Sophomore) Year - Fall Semester

CHE 232	Organic Chemistry I	3
CHE 233L	Organic Chemistry I Laboratory	1
PHY 205	General Physics with Calculus I	4
PHY 205L	General Physics with Calculus I Laboratory	
CHE 310	Analytical Chemistry	4
CHE 310L	Analytical Chemistry Laboratory	
ACC 203	Managerial Accounting	4
		Subtotal: 16

CHE 232, CHE 233L (W), CHE 310: Grade "C" or better

Second (Sophomore) Year - Spring Semester

CHE 234	Organic Chemistry II	3
CHE 235L	Organic Chemistry II Laboratory	1
CHE 245	Intermediate Inorganic Chemistry	4
CHE 245L	Intermediate Inorganic Chemistry Laboratory	
PHY 206	General Physics with Calculus II	4
PHY 206L	General Physics with Calculus II Laboratory	
ECO 204	Principles of Microeconomics	4
		Subtotal: 16

ECO 204: Social Science

CHE 234, CHE 235L (W), CHE 245: Grade "C" or better

Second (Sophomore) Year - Summer

ECO 205	Principles of Macroeconomics	4
		Subtotal: 4

ECO 205: Social Science

Third (Junior) Year - Fall Semester

CHE 352	Physical Chemistry I	3
CHE 353L	Physical Chemistry I Laboratory	1
CHE 320	Biochemistry	3
CHE 320L	Biochemistry Laboratory	1
QMB 210	Managerial Statistics	4
	Humanities (Bacc. Exp.)	4
		Subtotal: 16

Humanities/Fine Arts: (IG) (NW)

CHE 320, CHE 320L, CHE 352, CHE 353L: Grade "C" or better

Third (Junior) Year - Spring Semester

CHE 325	Biochemistry of Metabolism	3
CHE 354	Physical Chemistry II	3
CHE 355L	Physical Chemistry II Laboratory	1
CHE 451	Introduction to Research	1-4
	Humanities (Bacc. Exp.)	4

One of the following lecture/laboratory pairs:

BIO 200	General Genetics	4
BIO 200L	General Genetics Laboratory	
BIO 201	Molecular Genetics	4
BIO 201L	Molecular Genetics Laboratory	
BIO 330	General Physiology	4
BIO 330L	General Physiology Laboratory	
		Subtotal: 16

1 credit of CHE 451 should be taken

Humanities/Fine Arts: (IG) (NW) (W)

CHE 325: Grade "C" or better

Third (Junior) Year - Summer

FIN 310	Financial Management	4
MKT 300	Principles of Marketing	4
		Subtotal: 8

Fourth (Senior) Year - Fall Semester

MGT 330	Principles of Management	4
CHE 451	Introduction to Research	1-4
	Social Science (Bacc. Exp)	4
	Humanities (Bacc. Exp.)	4
		Subtotal: 14

2 credits of CHE 451 should be taken

Social Science: (IG) (NW) (W)

Humanities/Fine Arts: (A)

Fourth (Senior) Year - Spring Semester

CHE 430	Advanced Instrumental Chemistry	4
CHE 430L	Advanced Instrumental Chemistry Laboratory	
CHE 420	Advanced Biochemistry	4
CHE 451	Introduction to Research	1-4
MGT 598	Leadership and Organizational Behavior	4
BUS 698	Career and Leadership Development II	1-4

Subtotal: 14

1 credit of CHE 451 should be taken

1 credit of BUS 698 should be taken

Fourth (Senior) Year - Summer

ACC 610	Accounting and Value Creation	4
BUS 698	Career and Leadership Development II	1-4

Subtotal: 6

2 credits of BUS 698 should be taken

Fifth Year - Fall Semester

MKT 609	Marketing Management and Customer Value	4
ITM 608	Information Systems and Operations Management	4
FIN 611	Financial Management and Strategy	4

Subtotal: 12**Fifth Year - Spring Semester**

ECO 640	The Economics of Organizations	4
BUS 698	Career and Leadership Development II	1-4

One of the following

QMB 612	Decision Modeling and Analysis	4
ITM 615	Business Analytics	4
MKT 612	Business Research Methods	4

Subtotal: 9

1 credit of BUS 698 should be taken

Fifth Year Summer

MGT 615	Strategic Management	4
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Subtotal: 4

Note: The natural science and math components of the Baccalaureate Experience are fulfilled by courses in the above sequence (i.e., BIO 198, CHE 152, MAT 260).

MAT 262, BIO 350 and BIO 360 are strongly recommended for the B.S., Biochemistry Professional major. BIO 199, as a part of the biology lower-core curriculum, is required as a prerequisite for all upper-level biology courses.

Total Credit Hours: 177