

B.S. in Biochemistry – Business Track
AY 2021-2022

	First Semester		Second Semester	
1st Year	CHEM 1211K (4) MATH 1551 (2) ENGL 1101 (3) GT 1000 (1) CS 13XX (3) Core Elective* (3) <i>Sub-Total (16)</i>	Chemical Principles I Differential Calculus English Comp. I Freshman Seminar CS Requirement	CHEM 1212K (4) MATH 1552 (4) ENGL 1102 (3) BIOS 1107 (3) BIOS 1107L (1) <i>Sub-Total (15)</i>	Chemical Principles II Integral Calculus English Comp. II Biological Principles Biological Principles Lab
2nd Year	CHEM 2214 (4) CHEM 2311 (3) MATH 1553 (2) BIOS 2600 (3) MGT Elective** (3) <i>Sub-Total (15)</i>	Quantitative Analysis Organic Chemistry I Intro. Linear Algebra Genetics	CHEM 2312 (3) CHEM 2380 (2) CHEM 4511 (3) ECON 2106 (3) APPH 10XX (2) MGT Elective** (3) <i>Sub-Total (16)</i>	Organic Chemistry II Synthesis Lab I Biochemistry I Prin. Microeconomics Wellness Requirement
3rd Year	CHEM 4512 (3) CHEM 3371 (2) MATH 2551 (4) PHYS 2211 (4) Core Elective* (3) <i>Sub-Total (16)</i>	Biochemistry II Organic Chem Lab Multivariable Calculus Intro. to Physics I	CHEM 3216 (3) CHEM 3216L (2) PHYS 2212 (4) MGT Elective** (3) Core Elective* (3) <i>Sub-Total (15)</i>	Analytical Chemistry Analytical Chemistry Lab Intro. to Physics II
4th Year	CHEM 4581 (3) CHEM 3411 (3) CHEM 4601 (2) BIOS 3450 (3) Core Elective* (3) <i>Sub-Total (14)</i>	Biochemistry Lab I Physical Chemistry I Chemistry Seminar Cellular & Molecular Bio.	CHEM 4521 (3) CHEM 4582 (3) Biology Elective*** (3) MGT Elective** (3) Core Elective* (3) <i>Sub-total (15)</i>	Biophysical Chemistry Biochemistry Lab II

Note: 39 credit hours of 3XXX/4XXX level coursework is required to graduate.

Only Free Electives can be taken as Pass/Fail.

Maximum 6 hours of CHEM 2699 and 12 hours of CHEM 4699.

Last 36 hours must be taken in residence and may not be transferred in.

* Core Electives:	APPH 1040 or 1050 or 1060 (2) CS 1301, 1315, or 1371 (3) Humanities electives (6 hours required) Social Sciences electives (9 hours required) – ECON 2106 (3) Required for Business Track. History/constitution requirement: HIST 2111 (3), HIST 2112 (3), PUBP 3000 (3), INTA 1200 (3), or POL 1101 (3) (Credit not allowed for both INTA 1200 and POL 1101).
**MGT Electives:	A minimum of 15 credit hours of management electives are required. Students must complete one course from each of categories A-C and two from category D with a minimum grade of D. See next page for courses and pre-requisites. Note there are some core electives that can also count as management electives. If this occurs, additional free electives are needed to earn a total of 122 credit hours for graduation.
*** Biology Elective	Three credit hours of biology electives must be completed via one of the following courses: BIOS 3380, BIOS 4015, BIOS 4340, BIOS 4400, BIOS 4401, BIOS 4418, BIOS 4464, BIOS 4570, BIOS 4607, BIOS 4668, or CHEM 4765.

Business Option for B.S. in Biochemistry

Students in the B.S. Biochemistry business track complete 15 credits of approved coursework covering the principles of accounting, economics, and management (Areas A, B, and C). Two electives (Area D) allow students to take advanced coursework in these areas or to explore the legal, international, entrepreneurial, technological, or financial aspects of the business world.

Note that some of the elective courses (D) have prerequisites. Your choice of classes in Areas A, B, and C will influence the selection of elective classes available to you.

Some of the business courses in Areas C and D require junior or senior standing. To minimize conflicts in scheduling these courses, students are recommended to take other courses, especially those carrying social sciences credit, at the earliest possible time in their major's eight-term plan.

Students pursuing the business option typically take PSYC 1101 as part of the social sciences requirement and five classes in Areas A-D as outlined below. Note that PSYC 2220 and ECON 2106 also carry social sciences credit. Accordingly, these three classes, together with one U.S./Georgia history/constitution course, may be used to complete the 12-credit social sciences requirement. If students take ECON 2106 and/or PSYC 2220 to fulfill both social science credit and management elective credit, the student will need to take additional 3 or 6 credit hours of free electives to graduate.

Students must complete one course from each of categories A-C and two from category D with a minimum grade of D.

A. ACCOUNTING

One class (3 h) chosen from:

ACCT 2101 – Accounting I

MGT 3000 – Financial & Managerial Accounting

B. ECONOMICS

One class (3 h)

ECON 2106 – Principles of Microeconomics (*this class carries social sciences credit*)

C. BUSINESS

One class (3 h) chosen from:

PSYC 2220 – Industrial/Organizational Psychology (*this class carries social sciences credit*)

NOTE: This class has PSYC 1101 as a prerequisite, which also carries social science credit.

MGT 3101 – Organizational Behavior (jr/sr standing required)

MGT 3150 – Principles of Management (jr/sr standing required)

D. TWO ELECTIVES

Two courses (3 h each) chosen from the following. Note that classes in the categories listed above serve as prerequisites for some of the elective classes. Accordingly, your choice of classes in fulfillment of the accounting, economics, and management requirements will influence the selection of available electives.

D.1. Classes with no additional prerequisites

MGT 3078 – Finance & Investments (jr/sr standing required)

MGT 3300 – Marketing Management (this course serves as a prerequisite for classes listed below in Section D.5)

MGT 4191 – Entrepreneurship Forum

MGT 4192 – IMPACT Forum

MGT 4193 – Serv Lead Values Systems

MGT 4194 – Social Entrepreneurship

MGT 4610 – Law, Mgt & Economics

D.2. Classes with ACCT 2101 as a prerequisite

MGT 3062 – Financial Management

MGT 4026 – Fin Report & Analysis I

MGT 4028 – Fin Analy & Rpt – Tech Firms

D.3. Classes with MGT 3000 as a prerequisite

MGT 4015 – Adv Managerial Acct

MGT 4026 – Fin Report & Analysis I

MGT 4028 – Fin Analy & Rpt – Tech Firms

MGT 4030 – International Accounting

D.4. Classes with MGT 3150 as a prerequisite

MGT 3660 – International Business

MGT 4190 – Strategic Quality Mgt

D.5. Classes with MGT 3300 as a prerequisite

MGT 4303 – Personal Sell & Sales Mgt

MGT 4304 – Strategic Brand Mgt

MGT 4307 – Strategic Marketing

MGT 4335 – International Marketing

MGT 4670 – Entrepreneurship (*ACCT 2101 is an additional prerequisite for this class*)