Sample Schedule for Biochemistry and B.S. in Clinical Neuroscience*

FRESHMAN YEAR

Fall Semester	Credits	Spring Semester	Credits
BCHM 1014 – Introduction to Biochemistry	1	BCHM 1984 – Introduction to Biochemistry II	1
CHEM 1035 – General Chemistry[2]	3	CHEM 1036 – General Chemistry[2]	3
CHEM 1045 – General Chemistry Lab[2]	1	CHEM 1046 – General Chemistry Lab[2]	1
BIOL 1105 – Principles of Biology	3	BIOL 1106 – Principles of Biology	3
BIOL 1115 – Principles of Biology Lab	1	BIOL 1116 – Principles of Biology Lab	1
ENGL 1105 – First Year Writing	3	ENGL 1106 – First Year Writing	3
MATH 1025- Elementary Calculus I[1]	3	MATH 1026- Elementary Calculus II	3
		PSYC 1004 – Introductory Psychology	**3**
Total Credits	15	Total Credits	18

SOPHOMORE YEAR

CHEM 2535 –Organic Chemistry[4]	3	BCHM 2114 – Biochemical Calculations	2
CHEM 2545 – Organic Chemistry Lab	1	CHEM 2536 –Organic Chemistry[4]	3
PHYS 2205 – General Physics	3	CHEM 2546 – Organic Chemistry Lab	1
PHYS 2215 – General Physics Lab	1	PHYS 2206 – General Physics	3
NEUR 2025 – Intro to Neuroscience	**3**	PHYS 2216 – General Physics Lab	1
NEUR 2035 – Neuroscience Lab	**1**	**NEUR 2026 – Intro to Neuroscience**	**3**
University Core/Neuro Electives	3	**NEUR 2036 – Neuroscience Lab**	**1**
Total Credits	15	Total Credits	14

JUNIOR YEAR

BCHM 4115 – General Biochemistry	4	BCHM 4116 – General Biochemistry	3
BIOL 2004 – Genetics	3	BCHM 4124 – Biochemistry Lab*	6
CHEM 2114 – Analytical Chemistry	3	**NEUR 3084 – Cognitive Neuroscience**	**3**
CHEM 2124 – Analytical Chemistry Lab	1	**NEUR 4034 – Diseases of the Nervous System**	**3**
NEUR 3044 – Cell Molecular Neuroscience	**3**		
Total Credits	14	Total Credits	15

SENIOR YEAR

CHEM 4615 – Physical Chemistry	3	BIOL 2604 – General Microbiology	3
STAT 3615 – Biological Statistics	3	BIOL 2614 – General Microbiology Lab	2
BCHM 5004 – Seminar in Biochemistry**	1	CHEM 4616 – Physical Chemistry	3
University Core/Neuro Electives	8	**NEUR 4044 – Neuroscience Senior Seminar**	**3**
		University Core/Neuro Electives	6
Total Credits	15	Total Credits	17

[1]This course has a prerequisite of MATH 1014.
[2]The department will also accept CHEM 1055-1056 General Chemistry for Majors and CHEM 1065-1066 General Chemistry Lab for Majors.
[3]This course is highly recommended, but not required.

[4]The department will also accept CHEM 2565-2566 Principles of Organic Chemistry.
*This course can also be taken during the Fall or Spring semester of the senior year.
** This course is highly recommended, but not required, and may be taken twice during the junior and senior years.
NOTE: This schedule is not fully representative of the courses needed to complete the additional requirements for a B.S. in Clinical Neuroscience