

**CHEMISTRY B.Sc. and B.Sc. (Honours), Course Sequences (for computer timetabling)**

- Asterisk (\*) courses: for Honours degrees only. Replace with electives for regular B.Sc.
- Greyed courses: courses with labs.

**Sequence 1 (regular; all CHEM 2xx done in 2<sup>nd</sup> year)**

1 (Fall 1)	CHEM 104	BIOL 100	PHYS 109 or 111	MATH 110	elective
2 (Winter 1)	CHEM 105	CHEM 140	PHYS 119 or 112	MATH 111	elective
3 (Fall 2)	CHEM 210	CHEM 241	CHEM 250	ENGL 100	elective
4 (Winter 2)	CHEM 215	CHEM 230	CHEM 251	ENGL 110	elective
5 (Fall 3)	CHEM 330	CHEM 360	BIOC 220	MATH 122	elective
6 (Winter 3)	CHEM 312	CHEM 340	MATH 213	CS 110	elective
7 (Fall 4)	CHEM 4xx	(CHEM 3xx or 4xx)*	elective	(CHEM 401)*	elective
8 (Winter 4)	CHEM 4xx	elective	elective	(CHEM 402)*	elective

**Sequence 2 (delayed phys/physchem)**

1 (Fall 1)	CHEM 104	elective	PHYS 109 or 111	ENGL 100	elective
2 (Winter 1)	CHEM 105	CHEM 140	elective	ENGL 110	elective
3 (Fall 2)	CHEM 210	CHEM 241	BIOL 100	MATH 110	elective
4 (Winter 2)	CHEM 215	CHEM 230	PHYS 119 or 112	MATH 111	elective
5 (Fall 3)	CHEM 330	CHEM 360	CHEM 250	MATH 122	elective
6 (Winter 3)	CHEM 312	CHEM 340	CHEM 251	CS 110	elective
7 (Fall 4)	CHEM 4xx	(CHEM 3xx or 4xx)*	BIOC 220	(CHEM 401)*	elective
8 (Winter 4)	CHEM 4xx	elective	MATH 213	(CHEM 402)*	elective

*You can defer PHYS 119/112 and MATH 110/111 until 2<sup>nd</sup> year but they're needed for CHEM 250/251/360.*

**Sequence 3 (delayed organic/analytical; may require 5 years if the 4xx courses need 3xx prereqs)**

1 (Fall 1)	CHEM 104	BIOL 100	PHYS 109 or 111	MATH 110	elective
2 (Winter 1)	CHEM 105	elective	PHYS 119 or 112	MATH 111	elective
3 (Fall 2)	ENGL 100	CHEM 140	CHEM 250	MATH 122	elective
4 (Winter 2)	ENGL 110	CHEM 230	CHEM 251	CS 110	elective
5 (Fall 3)	BIOC 220	CHEM 241	CHEM 210	CHEM 360	elective
6 (Winter 3)	elective	CHEM 340	CHEM 215	MATH 213	elective
7 (Fall 4)	CHEM 4xx	(CHEM 3xx or 4xx)*	CHEM 330	(CHEM 401)*	elective
8 (Winter 4)	CHEM 4xx	elective	CHEM 312	(CHEM 402)*	elective

*You can defer CHEM 140 until 2<sup>nd</sup> year but this forces CHEM 330 and CHEM 312 into 4<sup>th</sup> year.*

### BIOCHEMISTRY B.Sc. and B.Sc. (Honours), Course Sequences (for computer timetabling)

- Asterisk (\*) courses: for Honours degrees only. Replace with electives for regular B.Sc.
- Greyed courses: courses with labs.
- **Brown/Blue** is just to keep track of which BIOL courses are **Fall** vs **Winter**

#### Sequence 1 (regular)

1 (Fall 1)	CHEM 104	BIOL 100	PHYS 109 or 111		MATH 110	elective	
2 (Winter 1)	CHEM 105	BIOL 101	CHEM 140		MATH 111	elective	
3 (Fall 2)	BIOC 220	CHEM 241	CHEM 210		ENGL 100	elective	
4 (Winter 2)	BIOC 221	BIOL 205	CHEM 215	or	elective	ENGL 110	elective
5 (Fall 3)	BIOC 321	BIOL 305	elective		CHEM 250	STAT 160	elective
6 (Winter 3)	BIOC 3xx	BIOC 3xx or 4xx	BIOC 3xx or 4xx		CS 110	elective	
7 (Fall 4)	BIOC 4xx	BIOL 310	BIOL 266	or	elective	(BIOC 401)*	elective
8 (Winter 4)	BIOC 4xx	elective	elective		BIOL 224 or 378	(BIOC 402)*	elective

#### Sequence 2 (delayed biol/genetics)

1 (Fall 1)	CHEM 104	BIOL 100	PHYS 109 or 111		ENGL 100	elective	
2 (Winter 1)	CHEM 105	CHEM 140	elective		ENGL 110	elective	
3 (Fall 2)	BIOC 220	CHEM 241	CHEM 210		MATH 110	elective	
4 (Winter 2)	BIOC 221	BIOL 101	CHEM 215	or	elective	MATH 111	elective
5 (Fall 3)	BIOC 321	BIOL 310	elective		CHEM 250	STAT 160	elective
6 (Winter 3)	BIOC 3xx	BIOL 205	BIOC 3xx or 4xx		CS 110	elective	
7 (Fall 4)	BIOC 4xx	BIOL 305	BIOL 266	or	elective	(BIOC 401)*	elective
8 (Winter 4)	BIOC 4xx	BIOC 3xx or 4xx	elective		BIOL 224 or 378	(BIOC 402)*	elective

*You can defer BIOL 101 until 2<sup>nd</sup> year but it is needed for BIOL 205/224/266.*

#### Sequence 3 (delayed organic/analytical)

1 (Fall 1)	CHEM 104	BIOL 100	PHYS 109 or 111		ENGL 100	elective	
2 (Winter 1)	CHEM 105	BIOL 101	elective		ENGL 110	elective	
3 (Fall 2)	BIOC 220	CHEM 140	BIOL 266	or	elective	STAT 160	elective
4 (Winter 2)	BIOC 221	BIOL 205	elective		BIOL 224 or 378	CS 110	elective
5 (Fall 3)	BIOC 321	BIOL 305	CHEM 210		MATH 110	elective	
6 (Winter 3)	BIOC 3xx	BIOC 3xx or 4xx	CHEM 215	or	elective	MATH 111	elective
7 (Fall 4)	BIOL 310	CHEM 241	elective		CHEM 250	(BIOC 401)*	elective
8 (Winter 4)	BIOC 4xx	BIOC 3xx or 4xx	BIOC 4xx		(BIOC 402)*	elective	

*You can defer CHEM 140 until 2<sup>nd</sup> year but it is needed for BIOC 221, BIOL 305, CHEM 210, and CHEM 241.*