## What might the Biochemistry track look like for a student placed into Math 121 and Chem 155?

Sample schedules showing the MINIMUM required courses for a BCBP Biochemistry track student

BCBP **Biochemistry** major requires a min of 10 labs; doubling up on labs at least two semestesrs will be necessary **Important notes**:

these are just samples; more combinations are possible to suit your specific interests

\* BIOL 291 or 371 can be replaced with any 200/300 level BIOL course

# PHYS 230 can be replaced with CHEM 361 (both offered only in spring)

PHYS 116/117 can be replaced with PHYS 123/124 (but 123 is only offered in Fall and 124 is only offered in spring) DEI course requirement is not shown, and can be added to any semester below

Characteristics						lab load
of this schedule			FALL	CD.	RING	fall-sprir
	1	CHEM 155	FALL	CHEM 165	MATH 121	1-1
·····	1st yr soph	CHEM 155 CHEM 221	BIOL 191	CHEW 105		2-1
rontload chem	junior	BIOL 371*	PHYS 116	BIOL 291*		2-1
spring athlete	•	BCBP 331		PHYS 230 #	BCBP 400	2-1
	senior	DCDP 331	PHYS 117	PH13 230 #	DCDP 400	2-0
Student C2		FALL		SPRING		
	1st yr	CHEM 155		CHEM 165	BIOL 191	1-2
rontload bio	soph	BIOL 371*	MATH 121	BIOL 291*	CHEM 221	1-2
semester abroad	junior	CHEM 231	PHYS 116	abroad	abroad	2-0
	senior	BCBP 331	PHYS 117	PHYS 230 #	BCBP 400	2-0
Student C3			FALL		RING	_
	1st yr	CHEM 155	PHYS 116	CHEM 165	PHYS 117	2-2
frontload physics	soph	BIOL 191	MATH 121	PHYS 230 #	BIOL 291*	1-1
	junior	CHEM 221	BIOL 371*	CHEM 231		2-1
	senior	BCBP 331		BCBP 400		1-0
Student C4			FALL	SP	RING	
Student C4	1st yr	CHEM 155	FALL MATH 121	SP CHEM 165	RING BIOL 191	1-2
	1st yr soph	1		_	-	1-2 2-2
rontload BCBP breadth	•	CHEM 155	MATH 121	CHEM 165	BIOL 191	
rontload BCBP breadth	soph	CHEM 155 PHYS 116	MATH 121	CHEM 165 PHYS 117	BIOL 191 BIOL 291*	2-2
rontload BCBP breadth	soph junior	CHEM 155 PHYS 116 CHEM 221	MATH 121	CHEM 165 PHYS 117 CHEM 231	BIOL 191 BIOL 291*	2-2 1-1
rontload BCBP breadth eep sr year open	soph junior senior	CHEM 155 PHYS 116 CHEM 221 BCBP 331	MATH 121 BIOL 371*	CHEM 165 PHYS 117 CHEM 231 BCBP 400	BIOL 191 BIOL 291* PHYS 230 #	2-2 1-1 1-0
rontload BCBP breadth seep sr year open	soph junior senior 1st yr	CHEM 155 PHYS 116 CHEM 221 BCBP 331	MATH 121 BIOL 371*	CHEM 165 PHYS 117 CHEM 231 BCBP 400 SP CHEM 165	BIOL 191 BIOL 291* PHYS 230 # RING BIOL 191	2-2 1-1 1-0
rontload BCBP breadth seep sr year open Student CS	soph junior senior 1st yr soph	CHEM 155 PHYS 116 CHEM 221 BCBP 331 CHEM 155 CHEM 221	MATH 121 BIOL 371*	CHEM 165 PHYS 117 CHEM 231 BCBP 400 SP CHEM 165 CHEM 231	BIOL 191 BIOL 291* PHYS 230 #	2-2 1-1 1-0 1-2 2-2
rontload BCBP breadth seep sr year open <b>Student C5</b> rontload biochem	soph junior senior 1st yr	CHEM 155 PHYS 116 CHEM 221 BCBP 331	MATH 121 BIOL 371*	CHEM 165 PHYS 117 CHEM 231 BCBP 400 SP CHEM 165	BIOL 191 BIOL 291* PHYS 230 # RING BIOL 191	2-2 1-1 1-0
rontload BCBP breadth seep sr year open <b>Student C5</b> rontload biochem	soph junior senior 1st yr soph	CHEM 155 PHYS 116 CHEM 221 BCBP 331 CHEM 155 CHEM 221	MATH 121 BIOL 371*	CHEM 165 PHYS 117 CHEM 231 BCBP 400 SP CHEM 165 CHEM 231	BIOL 191 BIOL 291* PHYS 230 # RING BIOL 191 BIOL 291*	2-2 1-1 1-0 1-2 2-2
rontload BCBP breadth seep sr year open <b>Student C5</b> rontload biochem semester abroad	soph junior senior 1st yr soph junior	CHEM 155 PHYS 116 CHEM 221 BCBP 331 CHEM 155 CHEM 221 BCBP 331 PHYS 117	MATH 121 BIOL 371* FALL MATH 121 BIOL 371* PHYS 116	CHEM 165 PHYS 117 CHEM 231 BCBP 400 SP CHEM 165 CHEM 231 <i>abroad</i> PHYS 230 #	BIOL 191 BIOL 291* PHYS 230 # BIOL 191 BIOL 291* abroad BCBP 400	2-2 1-1 1-0 1-2 2-2 2-2 2-0
rontload BCBP breadth keep sr year open Student CS rontload biochem kemester abroad	soph junior senior 1st yr soph junior senior	CHEM 155 PHYS 116 CHEM 221 BCBP 331 CHEM 155 CHEM 221 BCBP 331 PHYS 117	MATH 121 BIOL 371* FALL MATH 121 BIOL 371* PHYS 116 FALL	CHEM 165 PHYS 117 CHEM 231 BCBP 400 SP CHEM 165 CHEM 231 <i>abroad</i> PHYS 230 #	BIOL 191 BIOL 291* PHYS 230 # BIOL 191 BIOL 291* abroad BCBP 400	2-2 1-1 1-0 1-2 2-2 2-0 1-0
rontload BCBP breadth keep sr year open Student C5 rontload biochem kemester abroad	soph junior senior 1st yr soph junior senior 1st yr	CHEM 155 PHYS 116 CHEM 221 BCBP 331 CHEM 155 CHEM 221 BCBP 331 PHYS 117	MATH 121 BIOL 371* FALL MATH 121 BIOL 371* PHYS 116	CHEM 165 PHYS 117 CHEM 231 BCBP 400 SP CHEM 165 CHEM 231 <i>abroad</i> PHYS 230 # SP CHEM 165	BIOL 191 BIOL 291* PHYS 230 # BIOL 191 BIOL 291* abroad BCBP 400 RING BIOL 191	2-2 1-1 1-0 1-2 2-2 2-0 1-0 2-2
rontload BCBP breadth keep sr year open Student C5 rontload biochem kemester abroad	soph junior senior 1st yr soph junior senior 1st yr soph	CHEM 155 PHYS 116 CHEM 221 BCBP 331 CHEM 155 CHEM 221 BCBP 331 PHYS 117 CHEM 155 BIOL 371*	MATH 121 BIOL 371* FALL MATH 121 BIOL 371* PHYS 116 FALL	CHEM 165 PHYS 117 CHEM 231 BCBP 400 SP CHEM 165 CHEM 231 <i>abroad</i> PHYS 230 # SP CHEM 165 BIOL 291*	BIOL 191 BIOL 291* PHYS 230 # BIOL 191 BIOL 291* abroad BCBP 400 RING BIOL 191 MATH 121	2-2 1-1 1-0 1-2 2-2 2-0 1-0 2-2 1-2
Student C4 Frontload BCBP breadth keep sr year open Student C5 Frontload biochem semester abroad Student C6 Jundecided Bio/BCBP	soph junior senior 1st yr soph junior senior 1st yr	CHEM 155 PHYS 116 CHEM 221 BCBP 331 CHEM 155 CHEM 221 BCBP 331 PHYS 117	MATH 121 BIOL 371* FALL MATH 121 BIOL 371* PHYS 116 FALL	CHEM 165 PHYS 117 CHEM 231 BCBP 400 SP CHEM 165 CHEM 231 <i>abroad</i> PHYS 230 # SP CHEM 165	BIOL 191 BIOL 291* PHYS 230 # BIOL 191 BIOL 291* abroad BCBP 400 RING BIOL 191	2-2 1-1 1-0 1-2 2-2 2-0 1-0 2-2

## Additional Recommendations:

1) take chem 155 and chem 165 in first year

2) decide whether you want to next add on Biology or Physics (either can be started in first year OR sophomore year)

3) decide when you are ready for a double lab load (first year spring? Sophomore fall? Sophomore spring?)

4) decide if you want to start Organic Chemistry in your sophomore fall/spring or junior fall

5) take your favorite classes early on (so you have a 2nd chance in case you can't get in or they are cancelled)

the classes you take early on open up advanced classes/research opportunities/summer internships in those areas

6) if you are interested in a thesis, take courses in areas of potential thesis interest so that you build skills by senior year