

Sample 4-year plan - Effective for students entering KU in Fall 2014

B.S. Molecular Biosciences*

If needed, you can complete MATH 101 or 104 the summer before starting this schedule or complete CHEM 135 the summer after (see footnote #1.)

First Year Fall	Requirement Fulfilled	# Hours
CHEM 130 ¹ Chemistry I	General Science & KU Core	5
BIOL 150 ² Molecular & Cell. Biol.	Major Req & KU Core	4
KU Core (ENGL 101)	KU Core	3
KU Core (BIOL 105 if not taken in summer.)	KU Core	3
The AAAC offers affordable tutoring for many intro courses; attend PLUS sections for BIOL & CHEM.	Hours this semester	15
	JR/SR hours this sem.	0

First Year Spring	Requirement Fulfilled	# Hours
CHEM 135 ³ Chemistry II	General Science	5
BIOL 152 Organismal Biology	Major Requirement	4
MATH 115 ¹ Calculus I	General Sci & KU Core	3
KU Core (ENGL 102/105)	KU Core	3
Interested in Study Abroad? This would be a good time to visit the Office of Study Abroad.	Hours this semester	15
	JR/SR hours this sem.	0

To be eligible to declare the Molecular Biosciences Major, you need to complete BIOL 150, 152, 350, and CHEM 135 with a GPA of at least 2.20.

Second Year Fall	Requirement Fulfilled	# Hours
CHEM 330 Organic Chemistry I	General Science	3
CHEM 331 Organic Chem. I Lab	General Science	2
BIOL 350 ⁴ Principles of Genetics	Major Requirement	4
MATH 116 ¹ Calculus II	General Science	3
KU Core	KU Core	3
Apply for admission to the major! Watch for an Academic Notice in your myKU Advising Portal.	Hours this semester	15
	JR/SR hours this sem.	9

Second Year Spring	Requirement Fulfilled	# Hours
BIOL 400 ^{4*} Fund. Microbiology	Major Requirement	3
BIOL 402 ^{4*} Fund. Microbiology Lab	Major Requirement	2
CHEM 335 ³ Organic Chemistry II	Major Requirement	3
KU Core	KU Core	3
KU Core	KU Core	3
Interested in helping with research? See kuub.ku.edu/undergraduate-research .	Hours this semester	14
	JR/SR hours this sem.	8

Third Year Fall	Requirement Fulfilled	# Hours
BIOL 416 ^{4*} Cell Structure & Function	Major Requirement	3
BIOL 600 ^{4*} Introd. Biochemistry, Lect.	Major Requirement	3-4
BIOL 601 ^{4*} Prin. Biochemistry Lab	Major Requirement	2
PHSX 114 or 211+216 Physics I	General Science	4-5
KU Core	KU Core	3
Interested in an internship? This is an ideal time to make arrangements.	Hours this semester	15-17
	JR/SR hours this sem.	8-9

Third Year Spring	Requirement Fulfilled	# Hours
BIOL 430 ^{4*} Lab. in Molecular Biology	Major Requirement	3
BIOL 400 ^{4*} Level Elective Seminar	Major Requirement	2
BIOL 400 ^{4*} Level Elective	Major Requirement	1
PHSX 115 or 212+236 Physics II	General Science	4
KU Core	KU Core	3
Have you considered departmental honors? See kuub.ku.edu/biology-honors-program .	Hours this semester	13
	JR/SR hours this sem.	6

[^] BIOL 600 decreases to 3 cred h beginning Fall 2015.

Considering going on to a graduate academic or professional program? This would be a good time to start the application process.

Fourth Year Fall	Requirement Fulfilled	# Hours
BIOL 405 ^{4*} Laboratory in Genetics	Major Requirement	2
BIOL 400 ^{4*} Level Elective	Major Requirement	3
BIOL 570 ³ OR MATH 365/PSYC 210 ⁵	Major or Gen. Science Req. ⁶	3
KU Core	KU Core	3
Elective	Total Hours	3
Elective	Total Hours	2-3
Apply for Spring graduation this semester & meet with your Faculty Mentor.	Hours this semester	16-17
	JR/SR hours this sem.	8

Fourth Year Spring	Requirement Fulfilled	# Hours
BIOL 599 ^{4*} Senior Biology Seminar	Major Requirement	1
BIOL 400 ^{4*} Level Elective	Major Requirement	3
BIOL 400 ^{4*} Level Elective	Major Requirement	3
KU Core	KU Core	3
Elective	Total Hours	3
Elective	Total Hours	3
Celebrate your accomplishment at May Graduation with your fellow Jayhawks!!	Hours this semester	16
	JR/SR hours this sem.	7

Be sure to check course timetables when they are published to check for time conflicts.

- Requires a Math ACT score of 26+, a comparable SAT or KU Math Placement Exam score, or credit for a MATH 101 or 104 equivalent course. MATH 121 can be taken instead of MATH 115 + 116 to fulfill the BS Molec. Biosci. math requirement.
- Concurrent or prior enrollment in CHEM 130 is required.
- CHEM 135 and 335 are offered only in the spring (Lawrence campus). BIOL 570 is offered only in the fall (Lawrence campus).
- BIOL 350, 405, and 416 are offered on the Edwards campus only in the fall. BIOL 400, 402, 430, and 599 are offered on the Edwards campus only in the spring.
- Twelve hr of BIOL 400+ level elective and seminar courses, including at least 2 hrs of seminar/topics course (BIOL 419, 420, 421, 701). No more than 3 h of BIOL 423 and/or BIOL 424 (combined) can be applied towards the elective req.
- Students entering KU in Fall 2014 and Spring 2015 are required to take BIOL 570, a major requirement. Students entering KU in/after Fall 2015 may take BIOL 570/MATH 365/PSYC 210, a general science requirement, in completion of the statistics requirement.

A minimum of 120 hours is required for degree completion.

A minimum of 45 Jr/Sr hours (300+ level) is required for degree completion.

This sample 4-yr plan is current as of 03/14.

* This degree is offered at the Edwards campus only. Jr/Sr level BIOL courses for this degree must be completed at the Edwards campus. Major Declaration Intent forms for B.S. Molecular Biosciences must be signed by an Edwards campus advisor. Contact Dan Mueller at (913) 897-8659 (x4-8659) for more information.