

## B.S. Biology, Cell Biology

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 <sup>1</sup> Chemistry I	General Science	5
BIOL 150/151 <sup>2</sup> Molecular & Cell. Biol.	Major Req & KU Core	4
KU Core (ENGL 101)	KU Core	3
KU Core	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 <sup>3</sup> Chemistry II	General Science	5
BIOL 152/153 Organismal Biology	Major Requirement	4
MATH 115 <sup>1</sup> 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 Biology 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 <sup>4</sup> Organic Chem. I	General Science	3
CHEM 331 Organic Chem. I Lab	General Science	2
BIOL 350/360 Principles of Genetics	Major Requirement	3
MATH 116 <sup>1</sup> Calculus II	General Science	3
KU Core	KU Core	3
Apply for admission to the biology major! Watch for an Academic Notice in your Kyou Advising Portal.		
Hours this semester		14
JR/SR hours this sem.		8

Second Year Spring	Requirement Fulfilled	# Hours
BIOL 412 <sup>2</sup> Evolutionary Biology	Major Requirement	3
BIOL 416 <sup>3</sup> Cell Structure and Function	Major Requirement	3
CHEM 335 <sup>3</sup> Organic II	General Science	3
KU Core	KU Core	3
KU Core	KU Core	3
Interested in helping with research? See <a href="http://www.kuub.ku.edu/~kuub/uro/index.shtml">www.kuub.ku.edu/~kuub/uro/index.shtml</a> .		
Hours this semester		15
JR/SR hours this sem.		9

Third Year Fall	Requirement Fulfilled	# Hours
BIOL 417 <sup>5</sup> Biology of Development	Major Requirement	3
BIOL 600 <sup>5</sup> Introd. Biochemistry, Lect.	Major Requirement	4
PHSX 114 or 211+216 Physics I	General Science	4-5
KU Core	KU Core	3
Elective	Total Hours	3
Interested in an internship? This is an ideal time to make arrangements.		
Hours this semester		15-16
JR/SR hours this sem.		6

Third Year Spring	Requirement Fulfilled	# Hours
BIOL 408 <sup>3</sup> Physiology of Organisms	Major Requirement	3
BIOL 426 <sup>3</sup> Laboratory in Cell Biology	Major Requirement	3
PHSX 115 or 212+236 Physics II	General Science	4
KU Core	KU Core	3
KU Core	KU Core	3
Have you considered departmental honors? See <a href="http://www.kuub.ku.edu/honors">www.kuub.ku.edu/honors</a> .		
Hours this semester		16
JR/SR hours this sem.		9

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 Selective <sup>6</sup> 400+	Major Requirement	3
BIOL 400+ Level Elective Seminar <sup>7</sup>	Major Seminar	2
BIOL 400+ Level Elective Lab <sup>7</sup>	Major Lab	2
KU Core at Jr/Sr level (300+)	KU Core, Jr/Sr Hours	3
Elective	Total Hours	3
Apply for Spring graduation this semester & meet with your Faculty Mentor.		
Hours this semester		13
JR/SR hours this sem.		7

Fourth Year Spring	Requirement Fulfilled	# Hours
BIOL 599 Senior Biology Seminar	Major Requirement	1
BIOL Selective <sup>6</sup> 400+	Major Requirement	3
BIOL Selective <sup>6</sup> 400+	Major Requirement	3
Elective	Total Hours	3
Elective	Total Hours	3
Elective	Total Hours	2
Celebrate your accomplishment at May Graduation with your fellow Jayhawks!!		
Hours this semester		15
JR/SR hours this sem.		7

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

**Note: Ask a biology advisor about BS General Education requirements.**

- 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 Biology math requirement.
- Concurrent or prior enrollment in CHEM 130 is required.
- BIOL 408, 412, 416, and 426 and CHEM 135, 335, and 336 are offered only in the spring.
- Most medical schools require the full CHEM 330, 331, 335, and 336 sequence.
- BIOL 417 and 600 are offered only in the fall.
- Cell Biology major electives: choose 9 cred h from BIOL 400/401, 402, 435, 503, 504, 512, 513, 570, 646, 673, 688, 719, 752, 755, 756.
- Cell Biology seminar and lab requirements: at least 2 hrs of lab credit (BIOL 400+ level) and 2 hrs of seminar/topics course (BIOL 419, 420, 499, 701). Two hr of BIOL 424 will satisfy the lab 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 06/13.

Please keep in mind that this sample plan provides just one example of how courses could be taken, and it is not meant to substitute for meeting with an academic advisor. It should be used with an up-to-date Degree Progress Report (DPR) and the appropriate degree requirement checksheet (<http://www.kuub.ku.edu/degrees/>).