

Major requirements to complete a B.S. degree in Biological Sciences (2009-2010)

Course No.	Hrs.	Course Name	Prerequisites
CHEM 200, 201	3, 1	Intro to Chemical Principles with lab	high school algebra and chemistry
CHEM 210, 211*	3, 1	General and Inorganic Chemistry with lab	C or better in Chem 200, 201
CHEM 339, 341	3, 2	Organic Chemistry with laboratory	C or better in Chem 210, 211
CHEM 350	3	Introduction to Biological Chemistry	C or better in Chem 339
*Chem 210, 211 are not required of the Bios major but are the prerequisites for organic chemistry.			
One of the following mathematics courses:			
MATH 141 or 150	4	Calculus	C or better in Math 108 and 109
or			
Epsy 402, Math 282 or Plb 360-3		Statistics	Math 108
PHYS 203A, 253A	3, 1	College Physics with laboratory	Math 108 and 109, or Math 111
BIOL 200A	4	Cell & Molecular Biol, Genetics & Evolution	High school chem and biology
BIOL 200B	4	Organismal and Ecological Biology	High school chemistry and biology
BIOL 305	3	Genetics - Classical and Molecular	BIOL 200A and CHEM 200, 201
MICR 301	4	Principles of Microbiology	college level biol and 1 year chem.
PHSL 310	5	Principles of Physiology	college level biology and chemistry
PLB 300 or 317 or 320	4	Plant Diversity, or Medical Botany, or Elements of Plant Physiology	
ZOOL 220	5	Animal Diversity	ZOOL 118 or BIOL 200A or B

Biological Science electives:

One of the following: **BIOL 306** (Cell Biology), **BIOL 307** (Principles of Ecology), **BIOL 308** (Organismic Functional Biology), or **BIOL 309** (Developmental Biology).

Students must have a minimum of a "C" average in the courses listed above in bold.

Plus 9 hours of 400-level courses chosen from Microbiology, Physiology, Plant Biology, and Zoology, one of which must be a laboratory course.

One of the following 1-hour senior seminar courses: MICR 495, PHSL 490, PLB 480, or ZOOL 482.

Total hours = 61 or 62

Supportive Skills Requirements - at least 6 credit hours chosen from: CS 105 or CS 200B or CS 201 or CS 202 (Computer Science); ENGL 290 or 291 (Analytical or Technical Writing); EPSY 402 or MATH 282 or PLB 360 (Statistics); 2 semesters of one foreign language. Statistics may not be taken to complete both the mathematics requirement and the supportive skills requirement.

The Director of Undergraduate Studies in Biological Sciences is Dr. Brooks Burr. His office is located in LS II 254, his phone number is 618-536-2032 or 618-453-4112, and his email address is biosciences@cos.siu.edu.

The College of Science Advisement office is located in Neckers A185, phone 618-536-5537, fax 618-453-7067, email us at advise@cos.siu.edu or see our web site at <http://www.science.siu.edu/advisement/index.html>
The College of Science advisors are Dana McKenzie, Jean McPherson, and Becky Reed.

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