

## Major requirements to complete a B.S. degree in Physiology (2006-2007)

Course No.	Hrs.	Course Name	Prerequisites
MATH 150, 250	4,4	Calculus I, Calculus II	MATH 111, 150 with C or better
CHEM 200, 201	3,1	Intro to Chem Principles + Lab	high school algebra & chemistry
CHEM 210, 211	3,1	General & Inorganic Chem + Lab	CHEM 200, 201 with C or better
CHEM 339 or 340	3	Organic Chemistry I	CHEM 200, 201 or 210, 211 with C or better
CHEM 341	2	Organic Chemistry Lab I	CHEM 200, 201 with C or better
CHEM 350, 351	3,1	Intro Biological Chemistry with Lab	CHEM 339/340, 341 with C or better
(Students who take Chem 340 are strongly encouraged by the Chemistry Department to take 342 before or concurrently with Chem 350. Chem 340 is half of a two-semester organic chemistry sequence.)			
PHYS 203A,B	3,3	College Physics I and II	MATH 108 and 109 or 111
PHYS 253A,B	1,1	College Physics Laboratory I and II	Corresponding lecture
BIOL 200A	3	Cell & Molecular Biol, Genetics & Evolution	High school chem and biology
BIOL 200B	3	Organismal & Ecological Biology	High school chem and biology

Any **two** of these Biology Core courses:

BIOL 305	3	Genetics - Classical and Molecular	Biol 200A,B and Chem 200, 201
BIOL 306	3	Cell Biology	Biol 200A,B and Chem 200, 201
BIOL 308	3	Organismic Functional Biology	Biol 200A,B and Chem 200, 201
BIOL 309	3	Developmental Biology	Biol 200A,B and Chem 200, 201

PHSL 410A,B	4,4	Mammalian Physiology	college chemistry and physics
PHSL 430	3	Cellular and Molecular Physiology	1 year biology &/or biochemistry

**14 hours** of 300 and 400-level Physiology electives. PHSL 301 and 310 are strongly recommended.

**One only** of the following non-physiology courses may count toward the 14 hours of electives:

CHEM 342,343	5	Organic Chemistry II with Laboratory	CHEM 340, 341
CDS 450	3	Neuroanatomical Basis of Human Comm	CDS 314 or consent
MICR 301	4	Principles of Microbiology	college biology & chemistry
MICR 453	3	Immunology Lecture	MICR 403
PE 420	3	Physiological Effects of Motor Activity	PHSL 201
PSYC 415	4	Psychopharmacology	PSYC 211, 302
ZOOL 300	4	Vertebrate Embryology	ZOOL 220B
ZOOL 400	3	Cell Biology of Development	ZOOL 300 or BIOL 309
ZOOL 407	4	Parasitology	ZOOL 220A
ZOOL 409	4	Vertebrate Histology	10 to 12 hours of biology
ZOOL 426	3	Comparative Endocrinology	

**Total hours = 70**

**Supportive Skills requirement** - at least 6 credit hours chosen from: CS 105 or 200B, 201, 202; Engl 290 or 291 or 391; Math 282 or Plb 360; a year of 200-level foreign language.

The Physiology Department is located in LS II 245, phone 618-453-1544, fax 618-453-1517. The Physiology Department faculty advisor is Dr. James Ferraro in LS II 151D, phone 618-453-1593. 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](mailto: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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