

Springfield College

Undergraduate Program Advising Checksheet

Catalog Year: For students admitted to SC 2008-2009

Major: Biology

(120 total credits)

Name: _____

ID #: _____

Part I of this checksheet outlines General Education course requirements customized for your major.

Part II lists specific course requirements for your major.

Part III is space to record elective courses you choose. If applicable, this section includes courses taken for a minor or teacher preparation program.

GUIDELINES FOR USING THIS CHECKSHEET

1. Keep this checksheet as a record of your progress toward graduation; update it at the conclusion of each semester. After completing a course, mark the grade you received, the semester (for example, F08 or SP09), and the credits earned.
2. Bring the updated checksheet with you to each advising session. It is your responsibility to keep track of your progress and to be familiar with the requirements of your program.
3. Your advisor may wish to keep a second copy of your updated checksheet for his or her records.
4. If you change your major, you will need a new checksheet for that major. If you intend to complete a minor, those requirements can be listed in the elective section of this checksheet. If you are in a teacher preparation program, you may need a special checksheet which includes your education requirements.
5. You can also use this checksheet to record approved transfer, AP, or CLEP exam credit. Note that the residency policy requires you to complete a minimum of 60 credits of coursework (including 15 of your last 30 credits.) at SC.
6. If you have questions about your requirements or your progress toward graduation, contact your advisor or department chair. General questions about college policies, procedures, or graduation requirements may also be directed to the Office of the Registrar, 413/748-3530 or the Office of Academic Advising, 413/748-3379.

Information in this document is subject to change.

Students must insure that a minimum of 120 credits are completed in order to graduate.

My major advisor is:

Name: _____

Phone: _____

Office location: _____

E-mail: _____

(If applicable) My second or education advisor is:

Name: _____

Phone: _____

Office location: _____

E-mail: _____

ADVISING NOTES AND QUESTIONS

Date:

Note, question, or concern:

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Part I - General Education Requirements (40 - 46 credits)

All students must complete a minimum of 40 credit hours of General Education coursework to graduate.

Major: **Biology**

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Course	Title	Credits	Grade	Sem/Yr	Course	Title	Credits	Grade	Sem/Yr
I. Competencies <i>(overlap* does not apply)</i>					II. Domains of Knowledge and Understanding (continued)				
1. College Writing (6 credits)					3. Social Sciences (6 credits - one course from each category)				
ENGL 113	College Writing I	3			A. Historical/Cultural Studies				
ENGL 114	College Writing II	3					3		
2. Writing Across the Curriculum (embedded**) (two courses -- possibly fulfilled depending on selectives chosen)					B. Behavioral and Social Sciences				
							3		
3. Computer Applications (3 credits)					4. International/Multicultural Studies (3-6 credits depending upon option selected)				
		3					3		
4. Information Literacy (embedded**)					5. Social Justice (3 credits)				
		NA					3		
II. Domains of Knowledge and Understanding <i>(overlap* can apply)</i>					6. Physical Education (6 credits - three credits from each category)				
1. Arts and Humanities (9 credits - one course from each category)					A. Health & Wellness				
A. Literary Studies					HLTH 100	Wellness, A Way of Life	3		
		3			B. Physical Activity				
B. Visual/Performing Arts							.5		
		3					.5		
C. Spiritual & Ethical Dimensions							.5		
		3					.5		
2. Analytical and Natural Sciences (6-7 credits - one course from each category)					APPROVED GENERAL EDUCATION MODIFICATIONS (if necessary):				
A. Quantitative Reasoning					Requirement	Modification	Date		
MATH _____	<i>Selective</i>	3							
B. Natural Sciences									
BIOL 121	Bioscience I	3							
BIOL 123	Bioscience I Lab	1							

Total General Education Credits: (excluding NA)

Definition of Terms:

*** Overlap:** An overlap course satisfies both a *Domains of Knowledge and Understanding* category **and** a major requirement. A maximum of 3 courses can overlap. Credit for an overlap course is only counted as part of General Education.

**** Embedded:** Embedded competencies are met through courses taken as part of the major, or another General Education category. Credit for an embedded course is not counted as part of the General Education program.

Shaded Lines with NA credits:

A shaded line indicates a course that also fills another requirement. Credits only count once, in the primary area. "NA" (not applicable) is marked for credit in the secondary area.

Italics: Italics indicate a General Education course that fulfills two General Education categories (a double-dip). Credit is only counted once, for one category.

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Part II - Major Requirements

Major: Biology

Name: _____

Catalog Year: For students admitted to SC 2008-2009

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CORE REQUIREMENTS (28 cr., plus those taken as GenEds)

Course	Title	Credits	Grade	Sem/Yr
BIOL 121	Bioscience I	NA		
BIOL 123	Bioscience I Lab	NA		
BIOL 122	Bioscience II	3		
BIOL 124	Bioscience II Lab	1		
CHEM 121	General Chemistry I	3		
CHEM 123	General Chemistry I Lab	1		
CHEM 122	General Chemistry II	3		
CHEM 124	General Chemistry II Lab	1		
CHEM 221	Organic Chemistry I	3		
CHEM 223	Organic Chemistry I Lab	1		
CHEM 222	Organic Chemistry II	3		
CHEM 224	Organic Chemistry II Lab	1		
PHYS 210	General Physics I	4		
PHYS 211	General Physics II	4		

CONCENTRATION choices continued:

Cell Molecular Biology Concentration (24 - 32 cr.)

BIOL 280	Genetics	3		
BIOL 281	Genetics Lab	1		
BIOL 408	Research Methods in Cell Biology	3		
BIOL 409	Research Meth. in Cell Biology Lab	1		
BIOL 420	Cellular Physiology	3		
BIOL 421	Cellular Physiology Lab	1		
BIOL 315	General Microbiology	3		
BIOL 317	General Microbiology Lab	1		

Three additional courses and labs from Selective Group A, B, C, or D:

RELATED REQUIREMENTS (3 cr., plus those taken as GenEds)

(Select two of the following MATH courses. One satisfies the Quantitative Reasoning GenEd):

MATH 125	Precalculus Mathematics			
MATH 131	Intro Calculus with Applications	NA		
MATH 140	Calculus I	plus		
MATH 142	Calculus II	3		
MATH 215	Probability and Statistics			

Biochemistry Concentration (22 - 31 cr.)

CHEM 331	Biological Chemistry	3		
CHEM 341	Analytical Chemistry	2		
CHEM 342	Analytical Chemistry Lab	2		
CHEM 351	Physical Chem/Bio Apps.	3		
CHEM 352	Physical Chem/Bio Apps. Lab	1		

Two additional courses and labs from Selective Group A:

Two additional courses and labs from Selective Group A, B, or C:

REQUIRED CONCENTRATION

Select one concentration from the choices noted and complete all courses listed within the concentration. See next page for selective lists.

Comprehensive Biology Concentration (25 - 28 cr.)

BIOL 250	Human Anatomy and Physiology I	3		
BIOL 252	Human Anat. and Phys. Lab I	1		
BIOL 251	Human Anatomy and Physiology II	3		
BIOL 253	Human Anat. and Phys. Lab II	1		
BIOL 270	Plant Biology	3		
BIOL 271	Plant Biology Lab	1		
BIOL 280	Genetics	3		
BIOL 281	Genetics Lab	1		
BIOL 315	General Microbiology	3		
BIOL 317	General Microbiology Lab	1		

Two additional courses and labs from Selective Group A, B, C, or D:

Environmental Concentration (23 - 27 cr.)

BIOL 260	General Ecology	3		
BIOL 261	General Ecology Lab	1		
BIOL 315	General Microbiology	3		
BIOL 317	General Microbiology Lab	1		

Five additional courses and labs from Selective Group C:

Total Major Credits:
(excluding NA)

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