

# B.S. Biology Checklist

## General Track

2018–2019 Catalog

Name: \_\_\_\_\_ ID Number: \_\_\_\_\_

### General Education Program (40 hrs.)

#### English Composition (6 hrs.)

ENGL1101 Discourse & Comp (A) .....3 \_\_\_  
or  
ENGL1102 Discourse & Comp (B) .....3 \_\_\_  
ENGL1105 Comp and Argumentation.3 \_\_\_

#### Quantitative Reasoning (3 hrs. min.)

*The Quantitative Reasoning component of the GEP will be met within this degree program.*

#### Human Behavior (3 hrs. min.)

ANTH2250 Prin. of Cultural Anthro. ....3 \_\_\_  
ANTH2350 Biological Anthropology ....3 \_\_\_  
ANTH2530 World Prehistory and  
Archaeology.....3 \_\_\_  
ECON2201 Prin. of Microeconomics.....3 \_\_\_  
ECON2202 Prin. of Macroeconomics.....3 \_\_\_  
POLS1010 Intro. to Political Science ....3 \_\_\_  
PSYC1101 Intro. to Psychology .....3 \_\_\_  
SOC11101 Intro. to Sociology .....3 \_\_\_  
SOSC1110 Foundations of Soc. Sci.....3 \_\_\_

#### Fine & Performing Arts (3 hrs. min.)

ARTH1101 Intro. to Art .....3 \_\_\_  
ENGL2275 American Film History .....3 \_\_\_  
MUSI1201 Music Appreciation .....3 \_\_\_  
MUSI2211 Music History 1 .....3 \_\_\_  
THAR1000 Intro. to Theater.....3 \_\_\_

#### Oral Comm. (3 hrs. min.)

ARTH2212 Art History Survey 2.....3 \_\_\_  
BUMG2900 Prof. Comm./Dev. Skills  
(WI).....3 \_\_\_  
COMM1103 Public Spkg/Comm.....3 \_\_\_  
COMM2335 Interpersonal Comm.....3 \_\_\_  
EDUC1115 Intro to Teach. Prof. (WI) ...3 \_\_\_  
FREN1111 Elementary French 1 .....5 \_\_\_  
FREN1112 Elementary French 2 .....3 \_\_\_  
GRMN1111 Elementary German 1 .....5 \_\_\_  
GRMN1112 Elementary German 2 .....3 \_\_\_  
NTSC2900 Scientific Doc. and Comm. 3 \_\_\_  
POLS4420 International Relations:  
Model UN & Arab League.3 \_\_\_  
SPAN1111 Elementary Spanish 1 .....5 \_\_\_  
SPAN1112 Elementary Spanish 2 .....3 \_\_\_  
THAR2212 Acting 2 .....3 \_\_\_

#### Engaged Citizenry (3 hrs. min.)

ARTH3454 History of American Art ....3 \_\_\_  
ECON1103 Foundations of Pol. Econ....3 \_\_\_  
EDUC2245 Understanding Cultural  
Diversity (WI).....3 \_\_\_

HIST1330 Amer. History to 1865..... 3 \_\_\_  
HIST1340 Amer. History since 1865... 3 \_\_\_  
HUMA2226 Studies in American Cultural  
History & Lit. (WI) ..... 3 \_\_\_  
PHIL3360 Social & Pol. Philosophy..... 3 \_\_\_  
POLS1110 National Government ..... 3 \_\_\_  
POLS1310 Intro to Political Theory ..... 3 \_\_\_  
SOSC2210 Intro to Asian Amer.  
Studies (WI)..... 3 \_\_\_

#### Global Perspectives (3 hrs. min.)

ARTH3456 20th Century Art..... 3 \_\_\_  
ENGL3334 Comparative Queer Theory  
and Lit. (WI) ..... 3 \_\_\_  
ENGL3348 Comparative Feminist  
Lit. and Theory (WI) ..... 3 \_\_\_  
GEOG1125 World Geography..... 3 \_\_\_  
GEOG2201 Cultural Geography ..... 3 \_\_\_  
HIST2440 World History II ..... 3 \_\_\_  
HIST2540 Intro. to the Middle East:  
Hist., Peoples, and Culture 3 \_\_\_  
HIST3400 History of Hinduism ..... 3 \_\_\_  
HIST3410 East Asian History..... 3 \_\_\_  
HIST3414 Asia: History and Culture  
(WI) ..... 3 \_\_\_  
HIST3420 Aum & Crescent: Islamic  
Crusades in India..... 3 \_\_\_  
HIST3500 History of Southern  
Africa (WI)..... 3 \_\_\_  
HIST3550 Islam: Religion, Politics,  
& Soc. .... 3 \_\_\_  
HUMA2227 Influential Works in Global  
Transn. Cultures(WI) ..... 3 \_\_\_  
POLS1210 Intro. to Comparative Pols. 3 \_\_\_  
POLS1410 Intro. to International  
Relations ..... 3 \_\_\_  
POLS3410 International Pol.  
Economy (WI) ..... 3 \_\_\_  
RELI3300 Judaism, Christianity,  
& Islam..... 3 \_\_\_

#### Historical Perspectives (3 hrs. min.)

ARTH3366 Non-Western Arts Survey . 3 \_\_\_  
ENGL2205 Intro to Women's Studies .. 3 \_\_\_  
HIST2102 Medieval and Renaissance  
Europe..... 3 \_\_\_  
HIST2103 Revolutionary Europe  
(AD1517-AD 1921) ..... 3 \_\_\_  
HIST2223 Anc. Hist. of the Nr. East ... 3 \_\_\_  
HIST2430 World History I..... 3 \_\_\_  
HIST3140 Europe and the Rise of the  
Modern World System..... 3 \_\_\_  
HIST3300 Christianity in Early  
America (WI)..... 3 \_\_\_  
HIST3355 Ohio River Valley Hist. WI 3 \_\_\_  
HIST3430 Anc. Indian Cult./Soci. .... 3 \_\_\_

HIST3510 History of Islam: 7th through  
the 15th Century (WI)..... 3 \_\_\_  
HIST3520 Hist. of the Crusades: The  
Crescent & the Cross (WI) . 3 \_\_\_  
HUMA2225 Foundational Texts in Western  
Cultural History (WI)..... 3 \_\_\_  
PHIL2200 Intro to Philosophy ..... 3 \_\_\_  
PHIL2284 Asian Philosophy (WI)..... 3 \_\_\_  
RELI2230 Hist. of Christian Thought . 3 \_\_\_

#### Literature (3 hrs. min.)

ENGL2200 Intro. to Lit. (WI) ..... 3 \_\_\_  
ENGL2211 Survey of Engl. Lit. 1 (WI) . 3 \_\_\_  
ENGL2212 Survey of Engl. Lit. 2 (WI) . 3 \_\_\_  
ENGL2247 World Lit. (WI)..... 3 \_\_\_  
ENGL2251 Survey of Amer. Lit. 1 (WI) 3 \_\_\_  
ENGL2252 Survey of Amer. Lit. 2 (WI) 3 \_\_\_

#### Ethical Insight & Reasoning (3 hrs. min.)

PHIL2320 Ethics (WI)..... 3 \_\_\_  
HIST2474 Peace & Justice: Hist., Theory &  
Practice of Non-Violence.... 3 \_\_\_  
HIST3432 Gandhi & Mod. India (WI) 3 \_\_\_

#### Natural Sciences (7 hrs.)

*The Natural Sciences component of the GEP will be met within this degree.*

#### Writing Intensive (WI)

**Two Courses Required**  
(can also include WI GEP courses)

HIST3540 Arab-Israeli Conflict ..... 3 \_\_\_  
HIST4420 Middle East in Mod. Times 3 \_\_\_  
POLS3130 National Policy Issue ..... 3 \_\_\_  
PSYC2121 Experimental Psychology .. 3 \_\_\_  
PSYC3110 Psych. Tests & Measures ... 3 \_\_\_  
PSYC3111 Learning and Memory..... 3 \_\_\_  
PSYC3145 Positive Psychology ..... 3 \_\_\_  
PSYC3170 History of Psychology ..... 3 \_\_\_  
PSYC4151 Evolutionary Psychology ... 3 \_\_\_  
PSYC4160 Behav. Prob. in Children.... 3 \_\_\_  
SOC12205 Current Social Problems.... 3 \_\_\_  
SOC14410 Social Stratification ..... 3 \_\_\_  
SOC14444 Social Deviance ..... 3 \_\_\_

#### Capstone (3 hrs. min.)

IDST4490 Senior Seminar ..... 3 \_\_\_

#### First Year Experience (1 hr. min.)

UNIV1100 First Year Experience,  
Univ. Fds..... 1 \_\_\_  
HONR1101 Introduction to Honors ..... 2 \_\_\_

## Biology Curriculum

Grade of C- or better is required in all BIOL,  
CHEM, and PHYS courses

### Biology Core Requirements (14 hrs.)

BIOL1151	General Biology 1	4	___
BIOL1152	General Biology 2	4	___
BIOL3770	Genetics	3	___
BIOL4770	Cell Biology	3	___

### General Track Requirements (7 hrs.)

BIOL3850	Ecology	4	___
BIOL3870	Evolution	3	___

### Botany Electives (8 hrs.)

BIOL2252	Dendrology	4	___
BIOL2253	Practical Horticulture	4	___
BIOL3250	Spring Floral Taxonomy	2	___
BIOL3251	Summer Floral Taxonomy	2	___
BIOL3254	Economic Botany	2	___
BIOL3271	Non-Vascular and Seedless Plants	2	___
BIOL3272	Phycology	2	___
BIOL4270	Plant Anatomy & Physiology	4	___

### Zoology Electives (8 hrs.)

BIOL3350	Entomology	4	___
BIOL3351	Spider Biology	1	___
BIOL3355	Ornithology	4	___
BIOL3360	Animal Physiology	4	___
BIOL4355	Animal Behavior	4	___
BIOL4360	Herpetology	4	___
BIOL4370	Mammalogy	4	___
BIOL4491	Limnology	4	___
BIOL4680	Parasitology	4	___

### Biology Electives (16 hrs.)

Select BIOL courses numbered 2000 or above that have not already been counted. Four of these hours must be numbered 4000 or above. Only 4 hours of BIOL4495 may be counted.

_____	_____	_____	_____
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_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____

### Required Math and Support Science (22–23 hrs.)

CHEM1141	General Chemistry 1	4	___
CHEM1142	General Chemistry 2	4	___
PHYS2201	Physics 1	4	___
CHEM3305	Organic Chemistry 1	4	___
or			
CHEM2200	Introduction to Organic Chemistry	4	___
MATH1250	Trigonometry	3	___
or			
MATH2110	Calculus 1	4	___

BIOL2200	Applied Biostatistics	3	___
or			
STAT1150	Principles of Statistics	3	___
or			
STAT2500	Statistics 1	3	___

## General Electives

Additional coursework in any area. A minimum of 120 total earned credit hours (GEP/FYE + Biology Curriculum + Math & Support Science + Capstone + electives) is required for graduation.

_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____
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_____	_____	_____	_____
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### Additional Minimum Graduation Requirements

- TWO courses flagged as Writing Intensive (WI) - may be satisfied by courses already counted in the GEP
- Grade of C- or better in all BIOL, CHEM, and PHYS courses
- 120 earned semester credit hours
- 2.00 overall, cumulative GPA
- 60 semester credit hours at the 2000 level or above

### Special Minimum Requirements for Transfer Students

- 30 semester credit hours completed at SSU, of which 21 must be upper division courses (3000–4000 level)
- 12 semester credit hours in the Natural Sciences completed at SSU at the 3000–4000 level, of which 8 must be in Biology
- First year experience course is waived for transfer students with more than 30 earned hours

## Other Information

- Major code: **BIOL**, Conc code: **BIOB**
- Our CAS academic advisors can help you with general questions and concerns. You can reach them as follows:
  - Heather Cantrell, [hcantrell@shawnee.edu](mailto:hcantrell@shawnee.edu)  
(740) 351-4555 (office)  
(740) 908-1227 (text)
  - Hannah Ledford, [hledford@shawnee.edu](mailto:hledford@shawnee.edu)  
(740) 351-3712 (office)  
(740) 562-4717 (text)

- This checklist should only be used for students who declare their major during the 2018–2019 academic year. Checklists for earlier years are available on our website:

<http://www.shawnee.edu/science>

Look under the “Checklists” link on the sidebar.