

# B.S. Natural Sciences Checklist

## Integrated Science AYA Licensure

2017–2018 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.)

*The Human Behavior component of the GEP will be met within this degree program.*

#### 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.)

*The Oral Communication component of the GEP will be met within this degree program.*

#### 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\_\_\_\_  
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\_\_\_\_  
SOSC3250 Asia: The Land and its  
Peoples(WI) .....3\_\_\_\_

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

*The Engaged Citizenry component of the GEP will be met within this degree program.*

#### 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\_\_\_\_  
HIST3410 East Asian History .....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 program.*

#### Writing Intensive (WI)

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

BIOL3860 Field Methods.....4\_\_\_\_  
GEOL2204 Sedimentary Rocks/Strat. ..4\_\_\_\_  
GEOL4310 Geomorphology .....4\_\_\_\_  
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\_\_\_\_  
SOCI2205 Current Social Problems .....3\_\_\_\_  
SOCI4410 Social Stratification .....3\_\_\_\_  
SOCI4444 Social Deviance .....3\_\_\_\_

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

EDAE4385 Teacher Ed. Capstone 1.....1\_\_\_\_  
EDAE4386 Teacher Ed. Capstone 2.....2\_\_\_\_

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

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

Checklist continued on  
reverse side

## Teacher Education Curriculum (48 hrs.)

### Professional Education Core (18 hrs.)

EDUC1115	Intro to the Teach. Prof. ....	3	___
EDUC2230	Educ. Media., Tech., & Computers .....	3	___
EDUC2245	Understanding Cultural Diversity .....	3	___
EDIS2250	Exceptional Learning Needs .....	3	___
EDUC3310	Curriculum & Assessment .....	3	___
EDRE3305	Teaching Reading in the Content Area .....	3	___

### Related Studies (9 hrs.)

PSYC1101	Introduction to Psychology .....	3	___
PSYC2130	Child & Adolescent Psychology .....	3	___
PSYC2170	Educational Psychology .....	3	___

### EDAE Courses (18 hrs.)

EDAE3285	Foundations of Secondary Education.....	3	___
EDAE4400	Sec. School. Curr., Instr. & Management ....	2	___
EDAE4433	Teaching Science in Grades 7-12.....	3	___
EDAE4490	Directed Teaching & Seminar .....	10	___

## Integrated Science Curriculum (54-55 hrs.)

BIOL1151	General Biology 1.....	4	___
BIOL1152	General Biology 2.....	4	___
BIOL3850	Ecology .....	4	___
CHEM1141	General Chemistry 1.....	4	___
CHEM1142	General Chemistry 2.....	4	___
GEOL1201	Physical Geology .....	4	___
GEOL1202	Historical Geology .....	4	___
GEOL1350	Planet Earth .....	4	___
PHYS2201	Physics 1.....	4	___
PHYS2202	Physics 2.....	4	___
NTSC1110	Scientific Reasoning & Methodology.....	3	___
PSCI2251	Physical Science by Inquiry 1.....	4	___
PSCI2252	Physical Science by Inquiry 2.....	4	___
MATH1250	Trigonometry .....	3	___
or			
MATH2110	Calculus 1.....	4	___

## Requirements for the AYA Program

- ☐ 2.75 overall cumulative GPA
- ☐ 3.00 GPA for content courses (Science & Math)
- ☐ 3.00 GPA for Teacher Ed. courses
- ☐ Minimum grade of "C" for Teacher Ed. & GEP courses

## General Electives

No general electives are required. This degree contains more than the minimum number of credits required for graduation.

## Math Proficiency Requirement

Proficiency in MATH1250 (Trigonometry) through completion, or through placement in and completion of a higher level math (i.e. MATH2110 Calculus), is required for all BS-Natural Sciences concentrations.

## Additional Minimum Graduation Requirements

- ☐ TWO courses flagged as Writing Intensive (WI) - may be satisfied by courses already counted in the GEP
- ☐ 120 earned semester credit hours
- ☐ 2.75 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
- First year experience course is waived for transfer students with more than 30 earned hours

## Other Information

- Major code: NTSC, Conc code: INSC
- 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 2017-2018 academic year. Checklists for earlier years are available on our website: <http://www.shawnee.edu/science>  
Look under the "Checklists" link on the sidebar.



# Department of Teacher Education BS Natural Sciences AYA Integrated Science w/Licensure Grades 7-12

An overall 2.75 GPA and 3.0 GPA of Content and Professional Education Classes are required.

Grade C or higher is required of Professional education classes and all GEP classes.

Asterisk (\*) indicates the course includes a field component.

		<b>Fall</b>		<b>Spring</b>	
<div>AYA Integrated Science</div>	Fresh	<input type="checkbox"/> UNIV1100 First Year Experience (1) <input type="checkbox"/> ENGL1101 Discourse &Composition <b>OR</b> (3) <input type="checkbox"/> ENGL1102 Discourse &Composition (3) <input type="checkbox"/> GEP: MATH1250 <b>OR</b> MATH2110 (3)or(4) <input type="checkbox"/> NTSC1110 Scientific Reasoning/Metho. (3) <input type="checkbox"/> GEP: Art (3) <input type="checkbox"/> PSYC1101 Intro. to Psychology (3) <b>16-17 Hrs</b> <b>See Education &amp; Content Advisor</b>		<input type="checkbox"/> EDUC1115*Intro. to Teaching Profession (3) <input type="checkbox"/> ENGL1105 Composition & Argumentation (3) <input type="checkbox"/> GEP: Science 2* GEOL 1201 Physical Geol. (4) <input type="checkbox"/> GEP: Global Perspectives (3) <input type="checkbox"/> BIOL1151 Gen Bio 1 (4) <b>17 Hrs</b>	
	Soph	<input type="checkbox"/> PSYC2130 Child and Adolescent Psychology (3) <input type="checkbox"/> GEP: Ethics (3) <input type="checkbox"/> GEP: Historical Perspective (3) <input type="checkbox"/> BIOL1152 Gen Bio 2 (4) <input type="checkbox"/> PSCI2251 Physical Science Inquiry 1 (4) <b>17 Hrs</b>		<input type="checkbox"/> EDUC2230 Educational Media, Tech & Comp. (3) <input type="checkbox"/> EDUC2245* Understanding Diversity (3) <input type="checkbox"/> GEOL1202 Historical Geology (or Spring) (4) <input type="checkbox"/> PSCI2252 Physical Science Inquiry 2 (4) <input type="checkbox"/> CHEM1141 Gen Chem 1 (4) <b>18 Hrs</b>	
	Junior	<input type="checkbox"/> EDIS2250 Exceptional Learning Needs (3) <input type="checkbox"/> EDAE2285* Found. of AYA (3) <input type="checkbox"/> PSYC2170 Educational Psychology (3) <input type="checkbox"/> PHYS2201 Physics 1 (4) <input type="checkbox"/> BIOL3850 Ecology (OR FALL SR) (4) <b>13 or 17 Hrs</b>		<input type="checkbox"/> EDRE3305 Teaching Reading in Content Area (3) <input type="checkbox"/> EDUC3310 Curriculum & Assessment (3) <input type="checkbox"/> PHYS2202 Physics 2 (4) <input type="checkbox"/> CHEM1142 Gen Chem 2 (4) <input type="checkbox"/> GEOL1350 Planet Earth (4) <b>18 Hrs</b>	
		<b>Apply Level 2 Admission in EDAE2285</b>		<b>Level 3 Admission Review</b>	
	Senior	<input type="checkbox"/> EDAE4385 Teacher Education Capstone 1 (1) <input type="checkbox"/> EDAE4400 AYA Level General Methods (2) <input type="checkbox"/> EDAE4433*Teaching Science 7-12 (3) <input type="checkbox"/> GEP: Literature (3) <input type="checkbox"/> BIOL3850 Ecology (OR FALL JR) (4) <b>9 or 13 Hrs</b>		<input type="checkbox"/> EDAE4386 Teacher Education Capstone 2 (2) <input type="checkbox"/> EDAE4490*Directed Teaching & Seminar (10) <b>12Hrs</b>  <b>You must pass the OAE content test before Student Teaching</b>	

**REVISION 2017-2018**

**Total Hours: 124-125**