

B.S. Natural Sciences Checklist

Life Science AYA Licensure

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.)

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

Fine & Performing Arts (3 hrs. min.)

ARTH1101 Intro. to Art3 ___
ENGL2275 American Film History3 ___
MUSI1201 Music Appreciation3 ___
MUSI2211 Music History 13 ___
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 Art3 ___
ENGL3334 Comparative Queer Theory
and Lit. (WI)3 ___
ENGL3348 Comparative Feminist
Lit. and Theory (WI)3 ___
GEOG1125 World Geography3 ___
GEOG2201 Cultural Geography3 ___
HIST2440 World History II3 ___
HIST2540 Intro. to the Middle East:
Hist., Peoples, and Culture 3 ___
HIST3400 History of Hinduism.....3 ___
HIST3410 East Asian History3 ___
HIST3414 Asia: History and Culture
(WI)3 ___
HIST3420 Aum & Crescent: Islamic
Crusades in India3 ___
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 ___

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 ___
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)

HIST3540 Arab-Israeli Conflict3 ___
HIST4420 Middle East in Mod. Times3 ___
POLS3130 National Policy Issue3 ___
PSYC2121 Experimental Psychology ...3 ___
PSYC3110 Psych. Tests & Measures ...3 ___
PSYC3111 Learning and Memory.....3 ___
PSYC3145 Positive Psychology3 ___
PSYC3170 History of Psychology3 ___
PSYC4151 Evolutionary Psychology ...3 ___
PSYC4160 Behav. Prob. in Children.....3 ___
SOC12205 Current Social Problems.....3 ___
SOC14410 Social Stratification3 ___
SOC14444 Social Deviance3 ___

Capstone (3 hrs. min.)

EDAE4385 Teacher Ed. Capstone 11 ___
EDAE4386 Teacher Ed. Capstone 22 ___

First Year Experience (1 hr. min.)

UNIV1100 First Year Experience,
Univ. Fds.....1 ___
HONR1101 Introduction to Honors2 ___

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.)

EDAE2285	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	___

Life Science Curriculum (48-49 hrs.)

BIOL1130	Principles of Anatomy & Physiology 1	4	___
BIOL1131	Principles of Anatomy & Physiology 2	4	___
BIOL1151	General Biology 1	4	___
BIOL1152	General Biology 2	4	___
BIOL3770	Genetics & Molecular Biology	3	___
BIOL3850	Ecology	4	___
BIOL4770	Cell Biology	3	___
GEOL1202	Historical Geology	4	___
CHEM1141	General Chemistry 1	4	___
CHEM2200	Intro. to Organic Chemistry	4	___
NTSC1110	Scientific Reasoning & Methodology	3	___
PSCI2251	Physical Science by Inquiry 1	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

Additional coursework in any area. A minimum of 120 total earned credit hours (GEP/FYE + Natural Sciences Curriculum + Capstone + electives) is required for graduation.

_____	_____	_____
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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, 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: NTSC, Conc code: ADLS
- Our CAS academic advisors can help you with general questions and concerns. You can reach them as follows:
 - Heather Cantrell, hcantrell@shawnee.edu
(740) 351-4555 (office)
(740) 908-1227 (text)
 - Hannah Ledford, 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.