

B.S. Natural Sciences Checklist

Geology Concentration

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 Argumentation3___

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 Anthropology3___
ANTH2530 World Prehistory and
Archaeology3___
ECON2201 Prin. of Microeconomics3___
ECON2202 Prin. of Macroeconomics3___
POLS1010 Intro. to Political Science.....3___
PSYC1101 Intro. to Psychology3___
SOCI1101 Intro. to Sociology.....3___
SOSC1110 Foundations of Soc. Sci.3___

Fine & Performing Arts (3 hrs. min.)

ARTH1101 Intro. to Art3___
ENGL2275 American Film History3___
MUSI1201 Music Appreciation.....3___
MUSI2211 Music History 1.....3___
THAR1000 Intro. to Theater3___

Oral Comm. (3 hrs. min.)

ARTH2212 Art History Survey 23___
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 15___
GRMN1112 Elementary German 23___
NTSC2900 Scientific Doc. and Comm.3___
POLS4420 International Relations:
Model UN & Arab League3___
SPAN1111 Elementary Spanish 1.....5___
SPAN1112 Elementary Spanish 2.....3___
THAR2212 Acting 23___

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 Government3___
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 Geography3___
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,
& Islam3___
SOSC3250 Asia: The Land and its
Peoples(WI)3___

Historical Perspectives (3 hrs. min.)

ARTH3366 Non-Western Arts Survey3___
ENGL2205 Intro to Women's Studies.....3___
HIST2102 Medieval and Renaissance
Europe3___
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. WI3___
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 Philosophy3___
PHIL2284 Asian Philosophy (WI)3___
RELI2230 Hist. of Christian Thought3___

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-Violence3___
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 Geomorphology4___
HIST3540 Arab-Israeli Conflict.....3___
HIST4420 Middle East in Mod. Times.....3___
POLS3130 National Policy Issue.....3___
PSYC2121 Experimental Psychology3___
PSYC3110 Psych. Tests & Measures3___
PSYC3111 Learning and Memory3___
PSYC3145 Positive Psychology.....3___
PSYC3170 History of Psychology.....3___
PSYC4151 Evolutionary Psychology3___
PSYC4160 Behav. Prob. in Children.....3___
SOCI2205 Current Social Problems3___
SOCI4410 Social Stratification3___
SOCI4444 Social Deviance3___

Capstone (3 hrs. min.)

IDST4490 Senior Seminar3___

First Year Experience (1 hr. min.)

UNIV1100 First Year Experience,
Univ. Fds.1___
HONR1101 Introduction to Honors2___

*Checklist continued on
reverse side*

Natural Sciences Curriculum

Geology Requirements (28 hrs.)

GEOL1201	Physical Geology	4	___
GEOL1202	Historical Geology	4	___
GEOL2111	Introduction to Geologic Field Methods.	2	___
GEOL2203	Mineralogy.....	4	___
GEOL2204	Sedimentary Rocks/Stratigraphy (WI)	4	___
GEOL3205	Igneous/Metamorphic Petrology	4	___
GEOL4206	Structural Geology/Tectonics.....	4	___
GEOL4212	Advanced Geologic Mapping.....	2	___

Second Science Area (12 hrs.)

Twelve hours of courses in any one area of science other than the primary concentration. Students may choose BIOL, CHEM, PHYS, or MATH. Math courses must be numbered 1200 or above.

_____	_____	___
_____	_____	___
_____	_____	___
_____	_____	___

Third Science Area (8 hrs.)

Eight hours of courses in any one area of science other than the primary concentration or secondary science area. Students may choose BIOL, CHEM, PHYS, or MATH. Math courses must be numbered 1200 or above.

_____	_____	___
_____	_____	___
_____	_____	___

Additional Science/Math (4 hrs.)

Any course in BIOL, CHEM, GEOL, NTSC, PHYS, or MATH not used above. Math courses must be numbered 1200 or above.

_____	_____	___
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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.

_____	_____	___
_____	_____	___
_____	_____	___
_____	_____	___
_____	_____	___
_____	_____	___

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
- ☐ 2.00 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 Geology
- First year experience course is waived for transfer students with more than 30 earned hours

Other Information

- Major code: NTSC, Conc code: GEOL
- 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 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.

BS Natural Sciences (Geology)—Suggested Four-Year Course Schedule AY 17–18

Year 1			
Fall Semester		Spring Semester	
GEOL1201: Physical Geology	4	GEOL1202: Historical Geology	4
UNIV1100: First Year Experience	1	COMM1103: Public Speaking	3
Fine & Performing Arts GEP:	3	ENGL1105: Comp. and Argumentation	3
ENGL1102: Discourse and Composition	3	MATH1250: Trigonometry	3
MATH1200: College Algebra	3	General Electives	2
General Electives	1		
Total Hours:	15	Total Hours:	15
Year 2			
Fall Semester		Spring Semester	
GEOL2111: Intro to Geol. Field Methods	2	Science Area II	4
GEOL2205: Sed. Petrology	4	Science Area III	4
Science Area II	4	Engaged Citizenry GEP	3
Human Behavior GEP	3	Global Perspectives GEP	3
General Electives	2	General Electives	1
Total Hours	15	Total Hours	15
Year 3			
Fall Semester		Spring Semester	
GEOL2203: Mineralogy	4	GEOL3205: Ig./Met. Petrology	4
Science Area II/III	4	Science Area III/II	4
Historical Perspectives GEP	3	Literature GEP	3
General Electives	4	General Electives	4
Total Hours	15	Total Hours	15
Year 4			
Fall Semester		Spring Semester	
Additional Science/Math	4	GEOL4206: Structural Geology	4
GEOL4212: Adv. Geol. Mapping	2	Capstone GEP	3
Ethical Insight & Reas. GEP	3	General Electives	8
General Electives	6		
Total Hours	15	Total Hours	15
Total Hours: 120			

Note about General Electives: General electives may be rearranged to have more or less in any particular semester. For example, a student may want to combine several of the general electives in order to take a 3 or 4 credit course.

Guide for the BS Natural Sciences (Geology) Student

Freshman Year	<ul style="list-style-type: none">• Meet with your academic advisor to form a plan for your degree. Talk with your advisor about future career goals.• Pick up the every-other-year course list, degree checklist, and four-year plan.	<ul style="list-style-type: none">• Join the Geology club and attend its meetings!• Like the Geology Club Facebook page: https://www.facebook.com/SSUGeology/• Like the Department Facebook page to learn about goings on. http://bit.ly/SSU_Science• Follow us on Twitter too: @SSU_Science	<ul style="list-style-type: none">• Start drafting your résumé• Visit Student Career Development Office: ADM036• Spring semester: Create a profile and upload resume to College Central: http://www.collegecentral.com/
Sophomore Year	<ul style="list-style-type: none">• Meet with your academic advisor and make sure that you are on track with your degree.• Learn about our minors, and consider signing up for one.	<ul style="list-style-type: none">• Talk to faculty members about becoming a lab assistant.• Consider applying for a summer internship through the Student Career Development office.• Consider joining the Geologic Society of America (if you haven't already done so).	<ul style="list-style-type: none">• Learn about our study abroad opportunities: http://www.shawnee.edu/offices/international-students/study-abroad.aspx• Volunteer on/off campus to gain experience• Meet with Peer Career to update your résumé
Junior Year	<ul style="list-style-type: none">• Meet with your academic advisor.• Make sure you examine the every-other-year science course list and talk with your advisor about your graduation plan.• Consider getting involved with an undergraduate research project. Talk to several professors about research possibilities.	<ul style="list-style-type: none">• Consider running for office in a student club• Late fall semester, apply for a summer research experience for undergraduates (REU), such as NSF-REU: http://www.nsf.gov/crssprgm/reu/	<ul style="list-style-type: none">• Have the Career Development Office assist with updating your résumé and practice interviewing through Mock Interviews.
Senior Year	<ul style="list-style-type: none">• Meet with your academic advisor and be sure that you will soon meet all your degree requirements.• Print off your degree audit, and cross reference with your degree checklist.	<ul style="list-style-type: none">• Get involved with tutoring through the student success center• Continue your involvement with the Geology club!	<ul style="list-style-type: none">• Start job search in fall semester. Update résumé, join LinkedIn, and consider taking advantage of the GSA job board: http://www.geosociety.org/• If applying for graduate school, take the GRE and start applying in fall.