

Bachelor of Science in Natural Science – Physical Science with Adolescent to Young Adult (Grades 7-12) Licensure 2015 – 2016 Catalog

Name: _____

ID Number: _____

GENERAL EDUCATION PROGRAM (24-26 hrs)

**A grade of C or higher is required for this component*

ENGLISH COMPOSITION

COURSE	TITLE	HRS.
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Depending on placement, either 8 or 6 semester hours.

ENGL 1101	Discourse & Comp.	5
<i>or</i>		
ENGL 1102	Discourse & Comp.	3 _____
ENGL 1105	Comp. & Argument.	3 _____

Fine & Performing Arts (Select 1)

COURSE	TITLE	HRS.
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ARTH 1101	Introduction to Art	3 _____
ENGL 2275	Amer. Film History	3 _____
MUSI 1201	Music Appreciation	3 _____
MUSI 2210	Music History I	3 _____
PHIL 3300	Philosophy of Film	3 _____
THAR 1000	Introduction to Theater	3 _____

Quantitative Reasoning

The Quantitative Reasoning component of the GEP will be met within the natural science degree.

Social Science (Select 1)

COURSE	TITLE	HRS.
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PSYC 1101	Intro. to Psychology	3 _____
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Ethics (Select 1)

COURSE	TITLE	HRS.
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PHIL 3320	Ethics Public/Priv. Life	3 _____
ROCI 4485	Reflec. Comm. Involv.	3 _____

Natural Sciences

The Natural Sciences component of the GEP will be met within the natural sciences degree.

Western Perspectives (Select 1)

COURSE	TITLE	HRS.
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ENGL 2211	Survey of English Lit.1	3 _____
ENGL 2212	Survey of English Lit.2	3 _____
HIST 3115	Women in Medieval Eur.	3 _____
HIST 3300	Christianity in Ea. Am.	3 _____
HIST 3520	History of Crusades	3 _____
IDST 2225	Civilization & Lit. 1	3 _____
IDST 2226	Civilization & Lit. 2	3 _____
PHIL 2200	Intro. to Philosophy	3 _____
RELI 2230	Hist. of Chr. Thought	3 _____

Non-Western Perspectives (Select 1)

COURSE	TITLE	HRS.
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ANTH 2250	Cultural Anthropology	3 _____
ARTH 3366	Non-Western Survey	3 _____
GEOG 2201	Cultural Geography	3 _____
GEOG 3351	Reg. Geog.: Middle E.	3 _____
GOVT 3320	Third World Politics	3 _____
HIST 3410	East Asian History	3 _____
HIST 3430	Anc. Indian Cu. of Soc	3 _____
HIST 3432	Gandhi & Mod. India	3 _____
HIST 3500	Hist. Southern Africa	3 _____
HIST 3550	Islam: Rel., Pol., Soc.	3 _____
HIST 4420	Middle East (modern)	3 _____
IDST 2227	Civilization & Lit.	3 _____
PHIL 2284	East Asian Philosophy	3 _____

Capstone

IDST 4490	Senior Seminar	3 _____
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(Checklist continued on reverse side)

134 Hours Required

Bachelor of Science in Natural Science – Physical Science

with Adolescent to Young Adult (Grades 7-12) Licensure

2015 – 2016 Catalog

SCIENCE COMPONENT (64 hrs)

COURSE	TITLE	HRS.	
BIOL 1151	<i>General Biology I</i>	4	_____
CHEM 1141	<i>General Chemistry I</i>	4	_____
CHEM 1142	<i>General Chemistry 2</i>	4	_____
CHEM 3305	<i>Organic Chemistry I</i>	4	_____
CHEM 3306	<i>Organic Chemistry 2</i>	4	_____
CHEM 4411	<i>Biochemistry</i>	3	_____
GEOL 1201	<i>Phys. Geol. & Enviro.</i>	4	_____
MATH 2110	<i>Calculus I</i>	4	_____
MATH 2120	<i>Calculus 2</i>	4	_____
MATH 2500	<i>Statistics I</i>	3	_____
NTSC 1110	<i>Scientific Reasoning</i>	3	_____
PHYS 2210	<i>Intro. Astronomy</i>	3	_____
PHYS 2211	<i>Calc.-Based Physics I</i>	4	_____
PHYS 2212	<i>Calc.-Based Physics 2</i>	4	_____
PHYS 2250	<i>Modern Physics</i>	4	_____
PSCI 2251	<i>Phys. Sci. by Inq. 1</i>	4	_____
PSCI 2252	<i>Phys. Sci. by Inq. 2</i>	4	_____

ADOLESCENT/YOUNG ADULT COURSES (21 hrs)

EDAE 3285	<i>Found. of Sec. Educ.</i>	3	_____
EDAE 3385	<i>Action Research</i>	3	_____
EDAE 4400	<i>Sec. School Curricu.</i>	2	_____
EDAE 4433	<i>Teaching Science</i>	3	_____
EDAE 4490	<i>Clinical Practice</i>	10	_____

ADDITIONAL MINIMUM REQUIREMENTS

134 semester credit hours	_____
2.00 overall, cumulative GPA	_____
60 semester credit hours at 2000 level or above	_____
63 semester hours in the science component	_____

PROFESSIONAL EDUCATION, READING & HUMAN DEVELOPMENT CORE (26 hrs)

COURSE	TITLE	HRS.	
EDUC 1115	<i>Intro. to Education</i>	3	_____
EDUC 2230	<i>Instruc. Media/Tech.</i>	3	_____
EDUC 2240	<i>Found. of Education</i>	3	_____
EDUC 2245	<i>Multi-cultural Educa.</i>	2	_____
EDUC 2248	<i>Diversity</i>	1	_____
EDUC 3310	<i>Curriculum & Assess.</i>	3	_____
EDIS 2250	<i>Exceptionalities</i>	2	_____
EDRE 3305	<i>Content Area Reading</i>	3	_____
PSYC 2130	<i>Child Psychology</i>	3	_____
PSYC 2170	<i>Educational Psych.</i>	3	_____

SPECIAL MINIMUM REQUIREMENTS FOR TRANSFER STUDENTS

30 semester credit hours completed at SSU, of which 21 credit hours must be upper division courses (3000-4000 level)	_____
12 semester credit hours in natural sciences completed at SSU at the 3000 or 4000 level	_____

134 Hours Required

Shawnee State University			Bachelor of Science in Natural Sciences in Conjunction with Adolescent to Young Adult Earth, Life, or Physical Science Licensure (Grades 7-12)		
Basic Competency Skills Criteria			Related Studies - (9 hrs)		Science Core - (22 hrs)
Basic Competency Skills			<i>A grade of C or higher is required in this component.</i> <input type="checkbox"/> PSYC1101 (3 hrs) Introduction to Psychology <input type="checkbox"/> PSYC2130 (3 hrs) Child & Adolescent Psychology <input type="checkbox"/> PSYC2170 (3 hrs) Educational Psychology All of these courses must be completed prior to enrolling in methods courses.		<input type="checkbox"/> BIOL1151 (4 hrs) General Biology 1 <input type="checkbox"/> CHEM1141 (4 hrs) General Chemistry 1 <input type="checkbox"/> CHEM1142 (4 hrs) General Chemistry 2 <input type="checkbox"/> NTSC1110 (3 hrs) Scientific Reasoning & Methodology <input type="checkbox"/> PSCI2251 (4 hrs) Physical Science by Inquiry 1 Select One (3 hours) <input type="checkbox"/> MATH1500 (3 hrs) Principles of Statistics <input type="checkbox"/> MATH2500* (3 hrs) Statistics 1 *Math 2500 is required for the Physical Science Concentration. See back page.
Applicants may qualify via a combination of scores/grades (e.g., ACT English, ACT Reading, and a grade of B in MATH1100). ACT, Score Academic Skills assessment, and grades from specific courses in the GEP may be combined to meet this threshold.					
ENGLISH/WRITING	• ACT score in English of 18 or higher • Core Academic Skills assessment score in Writing of 162 or higher • Grade of B or higher in ENGL1101/1102 AND ENGL1105				
READING	• ACT score in Reading of 21 or higher • Core Academic Skills assessment score in Reading of 156 or higher • Grade of B or higher in ENGL1101/1102 AND ENGL1105				
MATH	• ACT score in Reading of 22 or higher • Core Academic Skills assessment score in Math of 150 or higher • Grade of B or higher in MATH1100or math core course equivalent				
			Professional Education Requirements (41 hrs)		
<input type="checkbox"/> EDUC1115 (3 hrs) Intro to the Teaching Profession <i>w/field</i>			<i>A grade of C or higher and 3.0 GPA is required in the Professional Requirements</i>		
Level 1 Admission to Teacher Education is required for the following:			Level 2 Admission to the Licensure Program is required for the following courses:		
<input type="checkbox"/> EDUC2230 (3 hrs) Educational Media, Technology & Computers <input type="checkbox"/> EDUC2240 (3 hrs) School & Society <input type="checkbox"/> EDUC2245 (2 hrs) Education in Multi-cultural Society <input type="checkbox"/> EDUC2248 (1 hr) Diversity: Cultures & Exceptionalities <i>w/field</i> <input type="checkbox"/> EDIS2250 (2 hrs) Exceptional Learning Needs			<input type="checkbox"/> EDAE3285 (3 hrs) Foundations of Secondary Education <i>w/field</i> <input type="checkbox"/> EDRE3305 (3 hrs) Teaching Reading in the Content Area <input type="checkbox"/> EDUC3310 (3 hrs) Curriculum & Assessment <input type="checkbox"/> EDAE3385 (3 hrs) Action Research - Home, School & Community Relations <i>w/field</i> <i>The following courses are to be taken together.</i> <input type="checkbox"/> EDAE4400 (2 hrs) Secondary School Curriculum, Instruction & Management <i>w/field</i> <input type="checkbox"/> EDAE4433 (3 hrs) Teaching Science in Grades 7-12 <i>w/field</i>		<input type="checkbox"/> EDAE4490 (10 hrs) Directed Teaching & Seminar <i>w/field</i> Seminar meets 4-6 pm Tuesday and field time is Monday—Friday all day in school.
			General Education Program (21-23 hrs) <i>A grade of C or higher is required in this component.</i>		
English - 6 - 8 hours Students will take either ENGL1101 or ENGL1102 depending on placement. <input type="checkbox"/> ENGL1101 (5 hrs) Discourse and Composition (A) <input type="checkbox"/> ENGL1102 (3 hrs) Discourse and Composition (B) <input type="checkbox"/> ENGL1105 (3 hrs) Composition & Argumentation			Cultural Perspective - 6 hours Western Perspective - 3 hours (Select one) <input type="checkbox"/> ENGL2211 (3 hrs) Survey of English Literature 1 (fall) <input type="checkbox"/> IDST2225 (3 hrs) Civilization & Literature 1 (fall/sp) <input type="checkbox"/> IDST2226 (3 hrs) Civilization & Literature 2 (fall/sp) <input type="checkbox"/> PHIL2200 (3 hrs) Introduction to Philosophy (fall/sp)		Quantitative Reasoning <i>This component of the GEP is satisfied by the requirements of the Bachelor of Science in Natural Science.</i> Natural Science <i>This component of the GEP is satisfied by the requirements of the Bachelor of Science in Natural Science.</i>
Fine & Performing Arts - 3 hours (Select one) <input type="checkbox"/> ARTH1101 (3 hrs) Introduction to Art <input type="checkbox"/> ENGL2275 (3 hrs) American Film History <input type="checkbox"/> MUSI1201 (3 hrs) Music Appreciation <input type="checkbox"/> MUSI2211 (3 hrs) Music History 1 <input type="checkbox"/> PHIL3300 (3 hrs) Philosophy of Film <input type="checkbox"/> THAR1000 (3 hrs) Introduction to Theatre			Non-Western Perspective - 3 hours (Select one) <input type="checkbox"/> ANTH2250 (3 hrs) Principles of Cultural Anthropology (fall/sp) <input type="checkbox"/> ARTH3366 (3 hrs) Non-Western Arts Survey <input type="checkbox"/> GEOG2201 (3 hrs) Cultural Geography (fall/sp) <input type="checkbox"/> GEOG3351 (3 hrs) Reg. Geog. of the Middle East <input type="checkbox"/> POLS3220 (3 hrs) Third World Politics <input type="checkbox"/> HIST3410 (3 hrs) East Asian History (sp) <input type="checkbox"/> HIST3430 (3 hrs) Ancient Indian Culture/Society <input type="checkbox"/> HIST3432 (3 hrs) Gandhi and Modern India <input type="checkbox"/> HIST3500 (3 hrs) History of Southern Africa <input type="checkbox"/> HIST4420 (3 hrs) Middle East in Modern Times <input type="checkbox"/> IDST2227 (3 hrs) Civilization and Literature 3 (fall) <input type="checkbox"/> PHIL2284 (3 hrs) Asian Philosophy (fall)		Ethics - 3 hours (Select one) <input type="checkbox"/> PHIL3320 Ethics in Public and Private Life <input type="checkbox"/> ROCI4485 Reflections on Community Involvement Capstone - 3 hours <input type="checkbox"/> IDST4490 Senior Seminar
Social Sciences - 3 hours (Select One) *Met in Related Studies Component					
			Total Hours = 134-136		
			Revised 01/01/2015		
2015-2016					

Students are required to choose one of the following areas of concentration.

Science Core—(22 hours)

- | | | |
|-----------------------------------|---------|------------------------------------|
| <input type="checkbox"/> BIOL1151 | (4 hrs) | General Biology 1 |
| <input type="checkbox"/> CHEM1141 | (4 hrs) | General Chemistry 1 |
| <input type="checkbox"/> CHEM142 | (4 hrs) | General Chemistry 2 |
| <input type="checkbox"/> NTSC1110 | (3 hrs) | Scientific Reasoning & Methodology |
| <input type="checkbox"/> PSCI2251 | (4 hrs) | Physical Science by Inquiry 1 |
| <input type="checkbox"/> GEOL2204 | (4 hrs) | Sedimentary Rocks & Stratigraphy |

Select One (3 hours)

- | | | |
|--|---------|--------------------------|
| <input type="checkbox"/> MATH1500 | (3 hrs) | Principles of Statistics |
| <input type="checkbox"/> MATH2500 * | (3 hrs) | Statistics 1 |

***Math2500 is required for Physical science Concentration**

Life Science - (41 Hours)

- | | | |
|-----------------------------------|---------|--------------------------------------|
| <input type="checkbox"/> BIOL1130 | (4 hrs) | Principles of Anatomy & Physiology 1 |
| <input type="checkbox"/> BIOL1152 | (4 hrs) | General Biology 2 |
| <input type="checkbox"/> BIOL3750 | (4 hrs) | Microbiology |
| <input type="checkbox"/> BIOL3770 | (4 hrs) | Genetics & Molecular Biology |
| <input type="checkbox"/> BIOL3850 | (4 hrs) | Ecology |
| <input type="checkbox"/> BIOL4486 | (4 hrs) | Senior Project |
| <input type="checkbox"/> BIOL4770 | (4 hrs) | Cell Biology |
| <input type="checkbox"/> BIOLXXX | (4 hrs) | Biology Elective |
| <input type="checkbox"/> GEOL1201 | (4 hrs) | Physical Geology & Human Environment |
| <input type="checkbox"/> MATH1300 | (5 hrs) | Pre-calculus |

Earth Science - (41-43 Hours)

- | | | |
|------------------------------------|-----------|--------------------------------------|
| <input type="checkbox"/> BIOL3852 | (4 hrs) | Marine Biology |
| <input type="checkbox"/> GEOG2227 | (3 hrs) | Foundations of Meteorology |
| <input type="checkbox"/> GEOL1201 | (4 hrs) | Physical Geology & Human Environment |
| <input type="checkbox"/> GEOL1202 | (4 hrs) | Historical Geology |
| <input type="checkbox"/> GEOL2203 | (4 hrs) | Mineralogy |
| <input type="checkbox"/> GEOL2204 | (4 hrs) | Sedimentary Rocks & Stratigraphy |
| <input type="checkbox"/> GEOL3205 | (4 hrs) | Igneous & Metamorphic Petrology |
| <input type="checkbox"/> GEOL4486 | (1-3 hrs) | Senior Project |
| <input type="checkbox"/> MATH 1300 | (5 hrs) | Precalculus |
| <input type="checkbox"/> MATH1900 | (4 hrs) | Brief Calculus with Applications |
| <input type="checkbox"/> PHYS2210 | (4 hrs) | Introductory Astronomy |

Physical Science - (41Hours)

- | | | |
|--|---------|--------------------------------------|
| <input type="checkbox"/> CHEM3305 | (4 hrs) | Organic Chemistry 1 |
| <input type="checkbox"/> CHEM3306 | (4 hrs) | Organic Chemistry 2 |
| <input type="checkbox"/> CHEM4411 | (3 hrs) | Biochemistry |
| <input type="checkbox"/> GEOL1201 | (4 hrs) | Physical Geology & Human Environment |
| <input type="checkbox"/> MATH2110 | (4 hrs) | Calculus 1 |
| <input type="checkbox"/> MATH2120 | (4 hrs) | Calculus 2 |
| <input type="checkbox"/> MATH2500 * | (3 hrs) | Statistics 1 |
| <input type="checkbox"/> PHYS2210 | (4 hrs) | Introductory Astronomy |
| <input type="checkbox"/> PHYS2211 | (4 hrs) | Calculus-based Physics 1 |
| <input type="checkbox"/> PHYS2212 | (4 hrs) | Calculus-based Physics 2 |
| <input type="checkbox"/> PHYS2250 | (3 hrs) | Modern Physics |
| <input type="checkbox"/> PSCI2252 | (4 hrs) | Physical Science by Inquiry 2 |

***Meets Science Core requirement on front page.**

Revised 11/7/2014



Department of Teacher Education

BS Natural Sciences AYA Earth, Life or Physical Science w/Licensure Grades 7-12

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

Plus (+) indicates that math majors see content courses.

AYA Earth, Life or Physical Science

Fresh

- ☐ Discourse & Composition **OR** (5)
- ☐ ENGL1102 Discourse & Composition (3)
- ☐ MATHxxxx (+GEP) (3)
- ☐ NTSC1110 Scientific Reasoning & Metho. (3)
- ☐ Fine Arts GEP (3)
- ☐ PSYC1101 Intro. to Psychology (3)

ENGL1101

- ☐ EDUC1115*Intro. to Teaching Profession (3)
- ☐ ENGL1105 Composition & Argument (3)
- ☐ Science GEP (4)
- ☐ Content ()
- ☐ Content ()

Hrs

See Education & Content Advisor

15-17 Hrs

Apply for Level 1 Admission

Sopho

- ☐ EDUC2230 Educational Media, Tech. & Computers (3)
- ☐ EDUC2240 School & Society (3)
- ☐ PSYC2130 Child & Adolescent Psychology (3)
- ☐ Western Persp GEP (3)
- ☐ Content ()
- ☐ Content ()

Hrs

- ☐ EDUC2245 Education in Multi-cultural Society (2)
- ☐ EDUC2248*Diversity:Cultures & Exceptionalities (1) } *block*
- ☐ EDIS2250 Exceptional Learning Needs (2)
- ☐ Non Western Persp GEP (3)
- ☐ Content Course ()
- ☐ Content Course ()
- ☐ Content Course ()

Hrs

Submit Level 2 Intent to Continue on Tk20

Junior

- ☐ EDAE3285*Foundations of Secondary Edu. (3)
- ☐ Ethics GEP (3)
- ☐ Content Course ()
- ☐ Content Course ()
- ☐ Content Course ()
- ☐ Content Course ()

Hrs

- ☐ EDRE3305 Teaching Reading in the Content Area(3)
- ☐ EDUC3310 Curriculum & Assessment (3)
- ☐ EDAE3385* Action Research-Home, School & Community Relations (3)
- ☐ PSYC2170 Educational Psychology (3)
- ☐ Content Course ()
- ☐ Content Course ()

Hrs

Apply for Level 3 Admission

Senior

- ☐ EDAE4400 Secondary School Curriculum Instruction & Management (2)
- ☐ EDAE4433*Teaching Science in Grades 7-12 (*Methods*) (3)
- ☐ Content Course ()
- ☐ Content Course ()
- ☐ Content Course ()
- ☐ Content Course? ()

Hrs

- ☐ EDAE4490*Directed Teaching & Seminar (10)
- ☐ IDST4490 Capstone (3)
- ☐ Content Course ()

Hrs

Science Core – (22 hours)

- ☐ BIOL1151 (4 hrs) Principles of Biology
- ☐ CHEM1141 (4 hrs) General Chemistry 1
- ☐ CHEM1142 (4 hrs) General Chemistry 2
- ☐ NTSC1110 (3 hrs) Scientific reasoning & Methodology
- ☐ PSCI2251 (4 hrs) Physical Science 1

Select One (3 hours)

- ☐ MATH1500 (3 hrs) Principles of Statistics
- ☐ MATH2500*(3 hrs) Statistics

***MATH2500 is required for Physical Science Concentration.
(See below)**

Earth Science-(41 hours)

- ☐ BIOL3852 (4 hrs) Marine Biology
- ☐ GEOG2227 (3 hrs) Foundations of Meteorology
- ☐ GEOL1201 (4 hrs) Physical Geology & Human Environment
- ☐ GEOL1202 (4 hrs) Historical Geology
- ☐ GEOL2203 (4 hrs) Mineralogy
- ☐ GEOL2204 (3 hrs) Sedimentary Rocks & Stratigraphy
- ☐ GEOL3205 (4 hrs) Igneous & Metamorphic Petrology
- ☐ GEOL4485 (3 hrs) Senior Project
- ☐ MATH1300 (5 hrs) Pre-calculus 1
- ☐ MATH1900 (4 hrs) Brief Calculus with Application
- ☐ PHYS2210 (3 hrs) Introductory Astronomy

Life Science-(41 hours)

- ☐ BIOL1130 (4 hrs) Principles of Anatomy & Physiology 1
- ☐ BIOL1152 (4 hrs) General Biology 2
- ☐ BIOL3750 (4 hrs) Microbiology
- ☐ BIOL3770 (4 hrs) Genetics & Molecular Biology
- ☐ BIOL3850 (4 hrs) Ecology
- ☐ BIOL4485 (4 hrs) Senior Project
- ☐ BIOL4770 (4 hrs) Cell Biology
- ☐ BIOLXXX (4 hrs) Biology Elective
- ☐ GEOL1201 (4 hrs) Physical Geology & Human Environment
- ☐ MATH1300(5 hrs) Pre-calculus

Physical Science-(42 hours)

- ☐ CHEM3305 (4 hrs) organic Chemistry 1
- ☐ CHEM3306 (4 hrs) Organic Chemistry 2
- ☐ CHEM4411 (3 hrs) Biochemistry
- ☐ GEOL1201 (4 hrs) Physical Geology & Human Environment
- ☐ MATH2110 (4 hrs) Calculus 1
- ☐ MATH2120 (4 hrs) Calculus 2
- ☐ PHYS2210 (4 hrs) Introductory Astronomy
- ☐ PHYS2211 (4 hrs) Calculus-based Physics 1
- ☐ PHYS2212 (4 hrs) Calculus-based Physics 2
- ☐ PHYS2250 (3 hrs) Modern Physics
- ☐ PSCI2252 (4 hrs) Physical Science 2

***Core MATH2500 is required for Physical Science Concentration.**

Guide for the Natural Sciences Student

Freshman Year	<p>Meet with your academic advisor to form a plan for your degree. Talk with your advisor about future career goals.</p> <p>Pick up the every-other-year course list, degree checklist, and four-year plan.</p>	<p>Join a club! Pre-Med / Chemistry / World Before Us / Geology.</p> <p>Like the Department Facebook page to learn about goings on. http://bit.ly/SSU_Science</p> <p>Follow us on Twitter too: @SSU_Science</p>	<p>Start drafting your résumé</p> <p>Visit Student Career Development Office : ADM036</p> <p>Spring semester: Create a profile and upload resume to College Central: www.collegecentral.com/shawnee</p>
Sophomore Year	<p>Meet with your academic advisor and make sure that you are on track with your degree.</p> <p>Learn about our minors, and consider signing up for one.</p>	<p>Talk to faculty members about becoming a lab assistant.</p> <p>Consider applying for a summer internship through the Student Career Development office.</p> <p>Consider joining a professional organization in your major, such as the ACS (Chemistry), GSA (Geology), etc.</p>	<p>Learn about our study abroad opportunities: www.shawnee.edu/offices/international-students/study-abroad.aspx</p> <p>Volunteer on/off campus to gain experience</p> <p>Meet with Peer Career to update your résumé</p>
Junior Year	<p>Meet with your academic advisor.</p> <p>Make sure you examine the every-other-year science course list and talk with your advisor about your graduation plan.</p> <p>Consider getting involved with an undergraduate research project. Talk to several professors about research possibilities.</p>	<p>Consider running for office in a student club</p> <p>Late fall semester, apply for a summer research experience for undergraduates (REU), such as NSF-REU: www.nsf.gov/crssprgm/reu/ or a summer internship.</p>	<p>Have the Career Development Office assist with updating your résumé and practice interviewing through Mock Interviews.</p>
Senior Year	<p>Meet with your academic advisor and be sure that you will soon meet all your degree requirements.</p> <p>Print off your degree audit, and cross reference with your degree checklist.</p>	<p>Get involved with tutoring through the student success center.</p> <p>Continue your involvement with a student club.</p>	<p>Start job search in fall semester. Update résumé, join LinkedIn, and consider taking advantage of your professional science organization's job database and other tools.</p> <p>If applying for graduate school, take the GRE and start applying in fall.</p>

Every-Other-Year Course Schedule

Natural Sciences

Note: This course schedule is subject to change. Be sure to talk to your advisor before you schedule your classes!

Course	Fall 2014	Spring 2015	Fall 2015	Spring 2016	Fall 2016	Spring 2017	Fall 2017	Spring 2018	Fall 2018	Spring 2019	Fall 2019	Spring 2020	Irregular/As Needed
Biology													
BIOL2250 Plant Taxonomy	✓				✓				✓				
BIOL2252 Dendrology			✓				✓				✓		
BIOL2253 Practical Horticulture				✓				✓				✓	
BIOL3350 Entomology	✓				✓				✓				
BIOL3251 Summer Flora													✓ (Summers)
BIOL3254 Economic Botany													✓
BIOL3270 Plant Anatomy & Morphology		✓				✓				✓			
BIOL3271 Non-vascular Plants													✓
BIOL3359 Comparative Vertebrate Anatomy			✓				✓				✓		
BIOL3360 Animal Physiology		✓				✓				✓			
BIOL3640 Histology				✓				✓				✓	
BIOL3850 Ecology	✓				✓				✓				
BIOL3852 Marine Biology			✓				✓				✓		
BIOL3860 Field Methods													✓
BIOL3870 Evolution		✓				✓				✓			
BIOL4270 Plant Physiology													✓
BIOL4355 Animal Behavior		✓				✓				✓			

Course	Fall 2014	Spring 2015	Fall 2015	Spring 2016	Fall 2016	Spring 2017	Fall 2017	Spring 2018	Fall 2018	Spring 2019	Fall 2019	Spring 2020	Irregular/As Needed
BIOL4360 Herpetology				✓				✓				✓	
BIOL4370 Mammalogy				✓				✓				✓	
BIOL4491 Limnology	✓				✓				✓				
BIOL4670 Neuropharmacology	✓				✓				✓				
BIOL4680 Parasitology			✓				✓				✓		
BIOL4760 Diagnostic Microbiology	✓				✓				✓				
BIOL4765 Virology				✓				✓				✓	
BIOL4780 Immunology			✓				✓				✓		
BIOL4850 Forest Ecology & Management													✓
BIOL4851 Wildlife Ecology & Management													✓
Chemistry													
CHEM3325 Analytical Chemistry 2		✓				✓				✓			
CHEM4431 Physical Chemistry 1			✓				✓				✓		
CHEM4432 Physical Chemistry 2				✓				✓				✓	
CHEM4441 Adv. Inorganic Chemistry		✓				✓				✓			
Natural Science													
NTSC3860 Environmental Science			✓				✓				✓		

Note: This course schedule is subject to change. Be sure to talk to your advisor before you schedule your classes!

Last Updated: September 25, 2014

AMN