

**3 Year Program for Bachelor of Science in Education:  
AYA Dual Science (choose 2 content areas, listed on back)  
Example Three-Year Plan of Study**

The program outline below shows how a student can earn the degree in three years at BGSU. Before you enroll at BGSU, **consult with a College of Education and Human Development Advisor (419-372-7372)** so that you earn the right credits that will count toward the degree.

<b>Credits to earn before enrolling at BGSU through AP, CLEP, CCP, or IB</b>			
BGSU Course Subject and Title	Credits	BGSU Course Subject and Title	Credits
GSW 1110 Introduction to Academic Writing	3	Arts & Humanities elective	3
GSW 1120 Academic Writing	3	Arts & Humanities elective	3
EDTL 2010 Introduction to Education	2	MATH 1150 Introduction to Statistics	3
EDTL 2300 Introduction to Educ. Technology	2	MATH 1310 Calculus and Analytic Geometry (if Physics content)	5
PSYC 1010 General Psychology	4	EDFI 3030 Educational Psychology Applied to Adolescent Development	3
CHEM 1250 General Chemistry	5	MATH 2320 Calculus and Analytic Geometry II (if physics content)	5
BIOL 1040 or BIOL 2050	4		
<b>Total Hours Completed 35-45</b>			
<b>Fall Semester Year 1</b>		<b>Spring Semester Year 1</b>	
EDTL 2020 Teaching Adolescents	3	EDTL 2750 Introduction to the Tchg. Of Science	3
GEOL 1040	4	EDFI 2980 Schools, Society, & Cultural Div & EDFI 2990 Field experience	4
PHYS 2010 or 2110 Physics I	5	Science Content #2	3-5
Science Content #1	3	Science Content #3	3-4
EDIS 2310 Teaching Students w/ Exceptionalities	3	ASTR 2010 Modern Astronomy	3
<b>Total</b>	<b>18</b>	<b>Total</b>	<b>16-18</b>
<b>Fall Semester Year 2</b>		<b>Spring Semester Year 2</b>	
EDTL 3400 Teaching Adolescents	3	EDAS 4090 Organization & Administration	3
EDTL 3021 Digital Tech for Middle/HS Teachers	3	Science Content #7	3
Science Content #4		Science Content #8	4
Science Content #5		Science Content #9	3
Science Content #6		Science Content #10	3
<b>Total</b>	<b>16-18</b>	<b>Total</b>	<b>16-18</b>
<b>Fall Semester Year 3</b>		<b>Spring Semester Year 3</b>	
EDFI 4020 Assessment and Evaluation	3	EDTL 4850 Advanced Seminar in the Science Teaching	3
EDTL 4181 Practicum in Secondary Schl. Settings	3	EDTL 4970 Student Teaching	12
EDTL 4200 Content Reading	3		
EDTL 4750 Science Methods	3		
<b>Total</b>	<b>12</b>	<b>Total</b>	<b>15</b>

- Student must maintain a 3.0 or higher accumulative GPA and 2.8 or higher in content GPA
- Student must pass the OAE content licensure exam
- Pending student has met the University's foreign language matriculation requirement

**Any questions? Contact an advisor in the College of Education and Human Development at 419-372-7372.**

## DUAL FIELD AREAS - SELECT TWO AREAS

### EARTH SCIENCE 20 HRS

- \_\_\_\_\_ ASTR 2120 The Solar System 3
- \_\_\_\_\_ GEOG 1250 Weather/Climate 3
- \_\_\_\_\_ GEOL 1050 Life Through Time 4
- \_\_\_\_\_ GEOL 3060 Rocks and Minerals 4
- \_\_\_\_\_ SEES 3000 Geospacial Science 3
- \_\_\_\_\_ ENVS 4150 Investigating the Earth 3

### LIFE SCIENCE 18 HRS

- \_\_\_\_\_ BIOL 2040 Concepts in Biology I 4
- \_\_\_\_\_ BIOL 3430 Botany **OR** BIOL 4220 Plant Ecology 4
- \_\_\_\_\_ BIOL 3500 Genetics 4
- \_\_\_\_\_ BIOL 3540 Populations and Community Ecology 3
- \_\_\_\_\_ BIOL 4500 Teaching Evolution & Nature of 3 Science

### CHEMISTRY 19 HRS

- \_\_\_\_\_ CHEM 1270 & 1280 General Chemistry & Lab **OR** CHEM 1370 & 1380 General Chemistry & Lab 5
- \_\_\_\_\_ CHEM 3060 Organic Chemistry 4
- \_\_\_\_\_ CHEM 3080 & 3090 Basic Biochemistry 4
- \_\_\_\_\_ CHEM 3130 Special Topics in Chemistry 3
- \_\_\_\_\_ CHEM 2010 Quantitative Chemical Analysis 3

### PHYSICS 18 HRS

- \_\_\_\_\_ ASTR 2120 The Solar System 3
- \_\_\_\_\_ MATS 4010 Material Science 3
- \_\_\_\_\_ PHYS 2020 College Physics II or PHYS 2120 University Physics II 5
- \_\_\_\_\_ PHYS 3010 & 3110 Modern Physics & Lab 4
- \_\_\_\_\_ PHYS 3600 Environmental Physics **OR** PHYS 3500 Musical Acoustics 4