

# FIRST YEAR INTEGRATED SCIENCE MAJORS

## PHYSICS CONCENTRATION

### (7-12) ADOLESCENT LICENSE

Students should expect to take five-six courses in their first semester. Typically, these will include an English Composition course, a math course, Introduction to Becoming a Teacher, Introduction to Education (includes 15 hours of field work which students will complete by delivering classroom tutoring), and general education courses. All courses will help you complete the YSU degree.

The courses listed in each table below represent typical courses for a first year student in this major or majors. Each student's schedule may look different based upon the answers provided on the Pre-registration Survey, math and other course placements, and course availability. Students who have earned college credit for any of the courses below will work with an advisor to identify appropriate courses for the first semester.

Your academic advisor will make every effort to accommodate your schedule preferences; however, course availability will be limited in many cases, and may mean that have to take a course at a time that might not be what you would prefer. It is important to remember that your advisor has your long term goals in mind as you work toward pursuing your degree and career.

### Math Placement = Level 10

First Semester Courses	Required Degree Area	Credits
English composition (based on placement )	General Education	3-4
Math 1505: Intermediate Algebra with Applications	Preparation for required math	5
TCED 1500: Introduction to Becoming a Teacher	Major and General Education	3
GEOL 1505/1505L: Physical Geology with Lab	Major and General Education	4
EDFN 1501: Introduction to Education	Major	3
		<b>18-19</b>

### Math Placement = Level 20

First Semester Courses	Required Degree Area	Credits
English composition (based on placement )	General Education	3-4
Math 1507: Intermediate Algebra	Preparation for required math	3
TCED 1500: Introduction to Becoming a Teacher	Major and General Education	3
GEOL 1505/1505L: Physical Geology with Lab	Major and General Education	4
EDFN 1501: Introduction to Education	Major	3
		<b>16-17</b>

### Math Placement = Level 35

First Semester Courses	Required Degree Area	Credits
English composition (based on placement )	General Education	3-4
Math 1510: College Algebra	General Education and preparation for required math	4
TCED 1500: Introduction to Becoming a Teacher	Major and General Education	3
GEOL 1505/1505L: Physical Geology with Lab	Major and General Education	4
EDFN 1501: Introduction to Education	Major	3

		<b>17-18</b>
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### Math placement = Level 45

First Semester Courses	Required Degree Area	Credits
English composition (based on placement )	General Education	3-4
Math 1513: Algebra and Transcendental Function	General Education and preparation for required math	5
TCED 1500: Introduction to Becoming a Teacher	Major and General Education	3
GEOL 1505/1505L: Physical Geology with Lab	Major and General Education	4
EDFN 1501: Introduction to Education	Major	3
		<b>18-19</b>

### Math Placement = Level 70

First Semester Courses	Required Degree Area	Credits
English composition (based on placement )	General Education	3-4
Math 1571: Calculus I	Major and General Education	4
CHEM 1515/1515L: General Chemistry I with Lab	Major and General Education	4
BIOL 2601/2601L: General Biology: Molecules & Cells with Lab	Major and General Education	4
TCED 1500: Introduction to Becoming a Teacher	Major and General Education	3
		<b>18-19</b>