

# Science Education 5-12 Major: Physics Emphasis

(Students graduating after September 1, 2001)

## Bethel College Suggested Sequence of Courses

<i>Fall</i>		<i>Interim</i>		<i>Spring</i>		<i>Year</i>		
<b><u>Freshman</u></b>								
PHY290D	General Physics I	4	BIB101	Introduction to the Bible	3	PHY295	General Physics II	4
MAT124M	Calculus 1	4				MAT125M	Calculus 2	4
GES105	Freshman Seminar	1				GES110	College Writing	3
GES130	Christianity & Western Culture (or WHCP)*	4					Self Awareness & Group Interaction (B) course	3
PEA100	Physical Wellness for Life	<u>1</u>						<u>14</u>
		14			<u>3</u>			31
<b><u>Sophomore</u></b>								
CHE111D	General Chemistry I	4	Science, Technology and Society (K) course	3	CHE212	General Chemistry II	4	
MAT223	Multivariable Calculus	3			EDU200	Introduction to Education	3	
PHY310	Electronics	4			EDU201	Introduction to Education F.E.	1	
GES120	Creativity in the Fine Arts (or WHCP)*	4			PHY300	Modern Physics	4	
		<u>15</u>				Theology (C) course	<u>3</u>	<u>15</u>
		15			<u>3</u>			33
<b><u>Junior</u></b>								
EDU235E	Understanding Diversity <sup>a</sup>	3	Interpreting Biblical Themes (J) course	3	EDU203	School Health and Drugs	2	
GEL167D	Geology	4			EDU240	Educational Psychology	3	
PHY110D	Introduction to Astronomy	4			EDU241	Educational Psychology F.E.	1	
Systems (G) course		3				Physics Option (PHY330, 401, 410) (or Fall)	4	
		<u>14</u>				Modern Age (F) course	3	
		14			<u>3</u>	Leisure and Lifetime Sports (Q) course	<u>1</u>	<u>14</u>
								31
<b><u>Senior</u></b>								
EDU225	Education Technology	1	Contemporary Christian Issues (P) course	3	EDU485	Student Teaching	15	
EDU311	Middle Level Education	5						
EDU313	Middle Level Education Practicum	1						
EDU420	Methods in Teaching 5-12 Science	3						
Biology Option (BIO101D, 112D, 113D, 114D)		4						
Cultural Diversity (E) or MWL** or Systems (G)		<u>3</u>						<u>15</u>
		17			<u>3</u>			<u>35</u>
								130

<sup>a</sup> Students in world languages and cultures may meet the requirements of this course while studying abroad.

▪ The letter in parenthesis following a course category indicates the designation in the course numbers.

▪ This program assumes a student will use PHY290D, EDU235E, and MAT124M to meet the general education Laboratory Science, Cultural Diversity, and Math requirements.

\* GES145 and GES146 Western Humanity in Christian Perspective I & II may be substituted for GES120 Creativity in the Fine Arts and GES130 Christianity and Western Culture.

\*\* MWL = Modern World Language (Check the Catalog for details of this option.)

\_\_\_\_\_ *Artistic Experience*

Most financial aid packages stipulate 12 credits/semester; Minnesota state grants are reduced when credit load falls below 15 credits/semester. (Interim credits may be split between fall and spring for state grant purposes only.)