

# Physics Education and Elementary Education Double Major

4.11.2017

Requirements	Notes
<ul style="list-style-type: none"> <li>181 credits for degree with two majors</li> <li>Maximum credit load of 18 per semester unless noted in professional semester.</li> </ul>	<ul style="list-style-type: none"> <li>Shaded courses must be taken concurrently as a block of classes.</li> <li>When two courses are on the same line, take the course offered that year.</li> <li>Courses in red are offered both semesters and may be switched.</li> </ul>
Successful completion of this major and licensure requirements provides students eligibility for:	
<ul style="list-style-type: none"> <li>WELS Assignment: K-Grade 8, General Science – 5-8, Physics – 9-12</li> <li>Minnesota Licensure: K-Grade 6, General Science – 5-8, Physics – 9-12</li> </ul>	

## Semester I

## Semester II

### FRESHMAN YEAR

ENG1303	Rhetoric & Composition	3	ENG130x	Literature Seminar Option	3
MTH1011	Math: A Human Endeavor	3	MTH2011	Calculus II	3
MTH2010	Calculus I	3	MUSxxxx	Vocal / Choral	1
MUSxxxx	Vocal / Choral	1	MUSxxxx	Keyboard	1
MUSxxxx	Keyboard	1	PEDxxxx	2 Phy Ed Activity Courses	1
SCI1003 & SCI1004	Biology	3	SCI2025 / SCI2105	General Chemistry I / Geology & Lab	3
THE1001	Biblical History & Literature I	3	THE1002	Biblical History & Literature II	3
			xxxx	Fine Arts Elective	3
<b>Total Credits</b>			<b>17</b>	<b>Total Credits</b>	
			<b>Winterim / Field Experience Interim</b>		
			EDU1401	Early Field Experience I	<b>Total Credits</b>
					<b>.5</b>

### SOPHOMORE YEAR

EDT3002 (or EDT1001)	Teaching with Technology (or Digital Literacy)	3	EDU3225	Teaching Phy Ed	2
EDU3215	Teaching Religion	3	EDU3241	Teaching Science Concepts	3
EDU3246 (EDU3245)	Teaching Mathematics in Pre-K – 8 <sup>th</sup> Gr	2	HIS2113	Modern West	3
PED1301	Fitness for Life	1	MUSxxxx	Keyboard	1
PSY2002	Psych of Human Growth & Develop	3	SCI2102 / SC3102	Physics: Electricity / Physics: Light	3
SCI2101 / SCI4102	Physics: Mechanics / Physics: Thermo	3	SCI2025 / SCI2105	General Chemistry I / Geology & Lab	3
SCI3025 / SCI2103	General Chemistry II / Astronomy	3	THE2001	Biblical History & Literature III	3
<b>Total Credits</b>			<b>18</b>	<b>Total Credits</b>	
			<b>Winterim / Field Experience Interim</b>		
			EDU2401	Early Field Experience II	<b>Total Credits</b>
					<b>.5</b>

### JUNIOR YEAR

EDU3235	Teaching Social Studies	1	EDU4302	Reading in the Content Areas	3
EDU3348	Tchg Science in Middle & Sec Schools	4	PSY3020	Psychology of Learning	3
EDU3424	Science Clinical	1	SCI2102 / SC3102	Physics: Electricity / Physics: Light	3
MTH2003	Elements of Mathematics	3	SPE2101	Educating the Exceptional Learner	3
SCI2015	Botany - Science Minor Elective*	3	SCI3003	Zoology - Science Minor Elective*	3
SCI2101 / SCI4102	Physics: Mechanics / Physics: Thermo	3	SSC3210	World Regional Geography	3
SCI3025 / SCI2103	General Chemistry II / Astronomy	3			
<b>Total Credits</b>			<b>15/18</b>	<b>Total Credits</b>	
			<b>Winterim / Field Experience Interim</b>		
			EDU3401	Early Field Experience III	<b>Total Credits</b>
			EDU3405	Individual Field Experience	<b>1</b>
					<b>.5</b>

### SENIOR YEAR

EDU3201	Children's Literature	2	EDU4253	Student Teaching in Elem & Mdle Schls I	10
EDU3205	Teaching Language Arts	2	EDU4260	Student Teaching in Elem & Mdle Schls II	6
EDU3210	Teaching Reading	4			
EDU3411	Literacy Clinical	1			
EDU3230 & EDU3231	Art in Elem & Middle Schls & Lab	2			
ENG3310	Interpersonal Communication	3			
xxxx	Intercultural Elective (See Menu Below)	3			
<b>Total Credits</b>			<b>17</b>	<b>Total Credits</b>	
			<b>16</b>		

### FIFTH YEAR

EDU4353	Student Tchg in Sec Schools I	10	EDU3220	Teaching Music	2
EDU4355 (EDU4352)	Student Tchg in Sec Schools II	6	EDU4210	C & I in Elem & Middle Schools	3
PSY3031	Adolescent Psychology	3	HIS3010	US History Since 1945	3
			MUS4201	Lutheran Worship	2
			PEDxxxx	2 Phy Ed Activity Courses	1
			THE4001	Lutheran Confessional Writings	3
			SCI4105	Science in Our Society	3
<b>Total Credits</b>			<b>19</b>	<b>Total Credits</b>	
				<b>17</b>	

### ADDITIONAL REQUIRED COURSES (taken during summer sessions)

THE3001 Christian Doctrine I – 3 credits; THE3002 Christian Doctrine II – 3 credits	<b>Total Credits</b>	<b>6</b>
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181 Credits

### Intercultural Elective Menu (Choose one)

EDU2201 Introduction to Urban Education Ministry	MUS3213 Music in World Cultures
ENG3010 American Minority Writers	SSC4201 Introduction to Minority Cultures

### \*Science Minor Elective Menu: (Choose one)

SCI2015 Botany – offered semester I	SCI2020 Marine Ecology – offered winterim	SCI3003 Zoology – offered semester II
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