

## B.A. in Physics 2017-2018: Option 1 - CWILT

First Year				
Fall	Credits	Interim	Credits Spring	Credits
<a href="#">PHY292 &amp; 292D General Physics I and General Physics I Lab</a>	4	<a href="#">GES160 Inquiry Seminar</a>	3 <a href="#">PHY296 &amp; PHY297 General Physics II and General Physics II Lab</a>	4
<a href="#">MAT124M Calculus 1</a>	4		<a href="#">MAT125 Calculus 2</a>	4
<a href="#">BIB101 Introduction to the Bible</a>	3		<a href="#">GES130 Christianity Western Culture</a>	4
<a href="#">GES140 Introduction to Wellbeing</a>	3		Electives	1
	<b>14</b>		<b>3</b>	<b>13</b>
Second Year				
Fall	Credits	Interim	Credits Spring	Credits
<a href="#">PHY302 &amp; PHY303 Electronics and Electronics Lab</a>	4	Contemporary Western Life and Thought (L) course	3 <a href="#">PHY312 &amp; PHY313 Modern Physics and Modern Physics Lab</a>	4
<a href="#">PHY260 Careers in Engineering and Physics Seminar</a>	1		<a href="#">MAT222 Differential Equations</a>	3
<a href="#">MAT223 Multivariable Calculus</a>	3		World Cultures (U) course	3
<a href="#">GES125 Introduction to the Creative Arts</a>	4		Elective (PHY352/353 Computer Methods in Physics and Engineering strongly)	4
Second Language (S) course <sup>1</sup>	4			
	<b>16</b>		<b>3</b>	<b>14</b>
Third Year				
Fall	Credits	Interim	Credits Spring	Credits
<a href="#">PHY320 Mathematical Methods in Physics and Engineering</a>	4	Science, Technology and Society (K) course	3 PHY 300- or 400- Elective <sup>2</sup>	4
<a href="#">THE201 Christian Theology</a>	3		Leisure and Lifetime Sports (Q) course	1
Comparative Systems (G) course	3		Elective (Physics course recommended)	4
Elective	3		Electives	6
	<b>13</b>		<b>3</b>	<b>15</b>
Fourth Year				
Fall	Credits	Interim	Credits Spring	Credits
PHY 300- or 400- Elective <sup>2</sup>	4	Interim Off	PHY 300- or 400-level Elective <sup>2</sup>	4
Interpreting Biblical Themes (J) course	3		Contemporary Christian Issues (P) course	3
Elective (Physics course recommended)	4		Elective (Science course recommended)	4
Elective	3		Elective	3
Cross Cultural Experience (Z) course	0-3		Artistic Experience (A) course	0-3
	<b>14-17</b>		<b>0</b>	<b>14-17</b>

1. Students must complete through the second semester of a first year language course or equivalent.

2. One course must be PHY332/333, PHY423/433 or PHY490

This program assumes a student will use MAT124M and PHY292/292D to meet the general education Mathematics and Laboratory Science requirements.

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

## B.A. in Physics 2017-2018: Option 2 - Humanities

First Year					
Fall	Credits	Interim	Credits	Spring	Credits
<a href="#">PHY292 &amp; 292D General Physics I and General Physics I Lab</a>	4		4	<a href="#">PHY296 &amp; PHY297 General Physics II and General Physics II Lab</a>	4
<a href="#">MAT124M Calculus 1</a>	4			<a href="#">MAT125 Calculus 2</a>	4
<a href="#">GES145 Humanities I: Greco-Roman through Middle Ages</a>	4			<a href="#">GES244 Humanities III: European Enlightenment and American Culture to 1877</a>	4
<a href="#">GES140 Introduction to Wellbeing</a>	3			<a href="#">BIB101 Introduction to the Bible</a>	3
	<b>15</b>				<b>4</b>
					<b>15</b>
Second Year					
Fall	Credits	Interim	Credits	Spring	Credits
<a href="#">PHY302 &amp; PHY303 Electronics and Electronics Lab</a>	4	Elective		<a href="#">PHY312 &amp; PHY313 Modern Physics and Modern Physics Lab</a>	4
<a href="#">PHY260 Careers in Engineering and Physics Seminar</a>	1			<a href="#">MAT222 Differential Equations</a>	3
<a href="#">MAT223 Multivariable Calculus</a>	3			World Cultures (U) course	3
<a href="#">GES246 Humanities IV: Modern and Contemporary Western Culture</a>	4			Elective (PHY352/353 computer Methods in Physics and Engineering strongly recommended)	4
Second Language (S) course <sup>1</sup>	4				
	<b>16</b>				<b>3</b>
					<b>14</b>
Third Year					
Fall	Credits	Interim	Credits	Spring	Credits
<a href="#">PHY320 Mathematical Methods in Physics and Engineering</a>	4	Science, Technology and Society (K) course		3 PHY 300- or 400-level Elective <sup>2</sup>	4
Comparative Systems (G) course	3			Leisure and Lifetime Sports (Q) course	1
Electives	5			Elective (Physics course recommended)	4
				Elective	3
	<b>12</b>				<b>3</b>
					<b>12</b>
Fourth Year					
Fall	Credits	Interim	Credits	Spring	Credits
PHY 300- or 400-level elective <sup>2</sup> or Electricity and Magnetism	4	Interim Off		PHY 300- or 400-level elective or Electricity and Magnetism	4
Interpreting Biblical Themes (J) course	3			Contemporary Christian Issues (P) course	3
Elective (Physics course recommended)	4			Elective (Science course recommended)	4
Elective	3			Elective	3
Cross Cultural Experience (Z) course	0-3			Artistic Experience (A) course	0-3
	<b>14-17</b>				<b>0</b>
					<b>14-17</b>

1. Students must complete through the second semester of a first year language course or equivalent.

2. One course must be PHY332/333, PHY423/433 or PHY490

This program assumes a student will use MAT124M and PHY292/292D to meet the general education Mathematics and Laboratory Science requirements.

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