

## B.A. in Physics 2020-2021: Option 1 - CWILT

FIRST YEAR					
Fall	Credits	Interim	Credits	Spring	Credits
<a href="#">BIB 101 Introduction to the Bible</a>	3	<a href="#">GES 160 Inquiry Seminar</a>	3	<a href="#">GES 130 Christianity Western Culture</a>	4
<a href="#">GES 140 Introduction to Wellbeing</a>	3			<a href="#">MAT 125 Calculus 2</a>	4
<a href="#">MAT 124M Calculus 1</a>	4			<a href="#">PHY 296 General Physics II</a>	3
<a href="#">PHY 292 General Physics I</a>	3			<a href="#">&amp; PHY 297 General Physics II Lab</a>	1
<a href="#">&amp; PHY 292D General Physics I Lab</a>	1			Leisure and Lifetime Sport (Q) course	1
	14		3		13
SECOND YEAR					
Fall	Credits	Interim	Credits	Spring	Credits
<a href="#">GES 125 Introduction to the Creative Arts</a>	4	Contemporary Western Life and Thought (L) course	3	<a href="#">MAT 222 Differential Equations</a>	3
<a href="#">MAT 223 Multivariable Calculus</a>	3			<a href="#">PHY 312 Modern Physics</a>	3
<a href="#">PHY 302 Electronics</a>	3			<a href="#">&amp; PHY 313 Modern Physics Lab</a>	1
<a href="#">&amp; PHY 303 Electronics Lab</a>	1			World Cultures (U) course	3
<a href="#">PHY 260 Careers in Engineering and Physics Seminar</a>	1			Second Language (S) course *1	4
Elective	3			Elective	3
	15		3		17
THIRD YEAR					
Fall	Credits	Interim	Credits	Spring	Credits
<a href="#">PHY 320 Mathematical Methods in Physics and Engineering</a>	4	Cross-Cultural Experience (Z) course	0-3	PHY 300- or 400- Elective *2	4
<a href="#">THE 201 Christian Theology</a>	3			Physics elective- 300 or 400 level course recommended or Electricity and Magnetism *2	4
Comparative Systems (G) course	3			Electives	6
Electives	6				
	16		0-3		14
FOURTH YEAR					
Fall	Credits	Interim	Credits	Spring	Credits
PHY 300- or 400- Elective *2	4	Interim Off		PHY 300- or 400-level Elective *2	4
Elective (Physics course recommended)	4			Artistic Experience (A) course	0-3
Interpreting Biblical Themes (J) course	3			Contemporary Christian Issues (P) course	3
Elective	3			Elective (Science course recommended)	4
				Elective	3
	14		0		14-17
<b>Total Credits 123-129</b>					

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

\*2. One course must be [PHY 332/PHY 333](#), [PHY 423/PHY 433](#) or [PHY 490](#)

This program assumes a student will use [MAT 124M](#) and [PHY 292/PHY 292D](#) to meet the General Education Mathematics (M) course and Laboratory Science (D) course 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 2020-2021: Option 2 - Humanities

FIRST YEAR					
Fall	Credits	Interim	Credits	Spring	Credits
<a href="#">GES 140 Introduction to Wellbeing</a>	3	<a href="#">GES 147 Humanities II: Renaissance and Reformation</a>	4	<a href="#">BIB 101 Introduction to the Bible</a>	3
<a href="#">GES 145 Humanities I: Greco-Roman through Middle Ages</a>	4			<a href="#">GES 244 Humanities III: European Enlightenment and American Culture to 1877</a>	4
<a href="#">MAT 124M Calculus 1</a>	4			<a href="#">MAT 125 Calculus 2</a>	4
<a href="#">PHY 292 General Physics I</a> & <a href="#">PHY 292D General Physics I Lab</a>	3 1			<a href="#">PHY 296 General Physics II</a> & <a href="#">PHY 297 General Physics II Lab</a>	3 1
	15		4		15
SECOND YEAR					
Fall	Credits	Interim	Credits	Spring	Credits
<a href="#">GES 246 Humanities IV: Modern and Contemporary Western Culture</a>	4	Elective	3	<a href="#">MAT 222 Differential Equations</a>	3
<a href="#">MAT 223 Multivariable Calculus</a>	3			<a href="#">PHY 312 Modern Physics</a> & <a href="#">PHY 313 Modern Physics Lab</a>	3 1
<a href="#">PHY 260 Careers in Engineering and Physics Seminar</a>	1			World Cultures (U) course	3
<a href="#">PHY 302 Electronics</a> & <a href="#">PHY 303 Electronics Lab</a>	3 1			Second Language (S) Course *1	4
	12		3		14
THIRD YEAR					
Fall	Credits	Interim	Credits	Spring	Credits
<a href="#">PHY 320 Mathematical Methods in Physics and Engineering</a>	4	Cross Cultural Experience (Z) course	0-3	PHY 300- or 400-level Elective *2	4
Comparative Systems (G) course	3			Leisure and Lifetime Sports (Q) course	1
Electives	6			Elective (Physics course recommended)	4
	13		0-3	Electives	6
					15
FOURTH YEAR					
Fall	Credits	Interim	Credits	Spring	Credits
PHY 300- or 400-level elective or Electricity and Magnetism *2	4	Interim Off		PHY 300- or 400-level elective or Electricity and Magnetism *2	4
Elective (Physics course recommended)	4			Artistic Experience (A) course	0-3
Interpreting Biblical Themes (J) course	3			Contemporary Christian Issues (P) course	3
Electives	6			Elective (Science course recommended)	4
	17		0	Elective	3
					14-17
<b>Total Credits 122-128</b>					

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

\*2. One course must be [PHY 332/PHY 333](#), [PHY 423/PHY 433](#) or [PHY 490](#)

This program assumes a student will use [MAT 124M](#) and [PHY 292/PHY 292D](#) to meet the General Education Mathematics (M) course and Laboratory Science (D) course 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.)