

B.A. in Physics 2019-2020: Option 1 - CWILT

FIRST YEAR					
Fall	Credits	Interim	Credits	Spring	Credits
BIB 101 Introduction to the Bible	3	GES 160 Inquiry Seminar	3	GES 130 Christianity Western Culture	4
GES 140 Introduction to Wellbeing	3			MAT 125 Calculus 2	4
MAT 124M Calculus 1	4			PHY 296 & PHY 297 General Physics II and General Physics II Lab	4
PHY 292 & PHY 292D General Physics I and General Physics I Lab	4			Leisure and Lifetime Sport (Q) course	1
	14		3		13
SECOND YEAR					
Fall	Credits	Interim	Credits	Spring	Credits
GES 125 Introduction to the Creative Arts	4	Contemporary Western Life and Thought (L) course	3	MAT 222 Differential Equations	3
MAT 223 Multivariable Calculus	3			PHY 312 & PHY 313 Modern Physics and Modern Physics Lab	4
PHY 302 & PHY 303 Electronics and Electronics Lab	4			World Cultures (U) course	3
PHY 260 Careers in Engineering and Physics Seminar	1			Second Language (S) course ¹	4
Elective	3				
	15		3		14
THIRD YEAR					
Fall	Credits	Interim	Credits	Spring	Credits
PHY 320 Mathematical Methods in Physics and Engineering	4	Cross-Cultural Experience (Z) course	2	PHY 300- or 400- Elective ²	4
THE 201 Christian Theology	3			Physics elective- 300 or 400 level course recommended or Electricity and Magnetism	4
Comparative Systems (G) course	3			Electives	6
Electives	6				
	16		2		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
Total Credits 122-125					

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 2019-2020: Option 2 - Humanities

FIRST YEAR					
Fall	Credits	Interim	Credits	Spring	Credits
GES 140Introduction to Wellbeing	3	GES 147Humanities II: Renaissance and Reformation	4	BIB 101Introduction to the Bible	3
GES 145Humanities I: Greco-Roman through Middle Ages	4			GES 244Humanities III: European Enlightenment and American Culture to 1877	4
MAT 124M Calculus 1	4			MAT 125 Calculus 2	4
PHY 292 & PHY 292D General Physics I and General Physics I Lab	4			PHY 296 & PHY 297 General Physics II and General Physics II Lab	4
	15		4		15
SECOND YEAR					
Fall	Credits	Interim	Credits	Spring	Credits
GES 246Humanities IV: Modern and Contemporary Western Culture	4	Elective	3	MAT 222Differential Equations	3
MAT 223Multivariable Calculus	3			PHY 312 & PHY 313 Modern Physics and Modern Physics Lab	4
PHY 260 Careers in Engineering and Physics Seminar	1			World Cultures (U) course	3
PHY 302 & PHY 303 Electronics and Electronics Lab	4			Second Language (S) Course	4
	12		3		14
THIRD YEAR					
Fall	Credits	Interim	Credits	Spring	Credits
PHY 320Mathematical Methods in Physics and Engineering	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
				Elective	6
	13		0-3		15
FOURTH YEAR					
Fall	Credits	Interim	Credits	Spring	Credits
PHY 300- or 400-level elective ² or Electricity and Magnetism	4	Interim Off		PHY 300- or 400-level elective or Electricity and Magnetism	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
				Elective	3
	17		0		14-17
Total Credits 122-128					

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.)