B.S. in Applied Physics (Undecided Emphasis*) 2022-2023: Option 1 - CWILT

FIRST YEAR					
Fall (even)	Credits	Interim	Credits	Spring (odd)	Credits
PHY 292	4	GES 125 Introduction to the Creative Arts	4	PHY 296	4
& PHY 292D				& PHY 297	
General Physics I and General Physics I Lab				General Physics II and General Physics II Lab	
MAT 124M1 Calculus 1 or Elective	4			MAT 125 Calculus 2	4
BIB 101 Introduction to the Bible	3			COS 205 Scientific Computing	3
GES 160 Inquiry Seminar	3			GES 130 Christianity Western Culture	4
	14		**4**		**15**
SECOND YEAR					
Fall (odd)	Credits	Interim	Credits	Spring (even)	Credits
PHY 302	4	GES 140 Introduction to Wellbeing	3	PHY 312	4
& PHY 303				& PHY 313	
Electronics and Electronics Lab				Modern Physics and Modern Physics Lab	
MAT 223 Multivariable Calculus	3			PHY 352	4
MAT 224 Differential Equations with Linear Algebra	4			& PHY 353	
Contemporary Western Life and Thought (L) course	3			Computer Methods in Physics and Engineering and Computer Methods in Physics and Engineering Lab	
PHY 260 Careers in Engineering and Physics Seminar	1			Second Language (S) course **1	4
	15		3		**12**
THIRD YEAR					
Fall (even)	Credits	Interim	Credits	Spring (odd)	Credits
PHY 320 Mathematical Methods in Physics and Engineering	4	Artistic Experience (A) course	0-3	World Cultures (U) course	3
CHE 208	4			PHY 365 Physics Research Seminar	1
& CHE 208D				THE 201 Christian Theology	3
Accelerated General Chemistry and Accelerated General Chemistry Lab				Comparative Systems (G) course	3
				Interpreting Biblical themes (J) course	3
	8		**0-3**		**13**
FOURTH YEAR					
Fall (odd)	Credits	Interim	Credits	Spring (even)	Credits
PHY 340 Mechanics	4	Interim Off	0	PHY 490 Research	3
Cross-Cultural Experience (Z) course	0-3			Contemporary Christian Issues (P) course	3
Leisure and Lifetime Sport (Q) course	1			Science, Technology, and Society (K) course	3
	5-8		**0**		**9**

**1. Students must complete through the second semester of a first year language course or equivalent (Check the catalog for details of this option.)

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 load falls below 15 credits/semester. (Interim credits may be split between fall and spring for state grant purposes only.)

*This plan gives all of the core courses for a Applied Physics Major along with some suggested General Education courses. Students must also select an emphasis to complete their major (see this catalog page for more information). Once an emphasis is determined, change your major with this change of major form. Then, change your major on the "About Me" tab, and use the "Bethel Advising" menu option to add the new planning sheet. If you have interest in an emphasis, explore it early on, with coursework, so you don't get behind in your major.

B.S. in Applied Physics (Undecided Emphasis*) 2022-2023: Option 2 - Humanities

FIRST YEAR					
Fall (even)	Credits	3	Credits	Spring (odd)	Credits
PHY 292	4	GES 147 Humanities II: Renaissance and Reformation	4	PHY 296	4
& PHY 292D				& PHY 297	
General Physics I and General Physics I Lab				General Physics II and General Physics II Lab	
MAT 124M1 Calculus 1 or Elective	4			MAT 125 Calculus 2	4
BIB 101 Introduction to the Bible	3			COS 205 Scientific Computing	3
GES 145 Humanities I: Greco-Roman through Middle Ages	4			GES 244 Humanities III: European Enlightenment and American Culture to 1877	4
	15		**4**		**15**
SECOND YEAR					
Fall (odd)	Credits	Interim	Credits	Spring (even)	Credits
PHY 302	4	GES 140 Introduction to Wellbeing	3	PHY 312	4
& PHY 303				& PHY 313	
Electronics and Electronics Lab				Modern Physics and Modern Physics Lab	
MAT 223 Multivariable Calculus	3			PHY 352	4
MAT 224 Differential Equations with Linear Algebra	4			& PHY 353	
GES 246 Humanities IV: Modern and Contemporary Western Culture	4			Computer Methods in Physics and Engineering and Computer Methods in Physics and Engineering Lab	
PHY 260 Careers in Engineering and Physics Seminar	1			Second Language (S) course *1	4
	16		**0**		**12**
THIRD YEAR					
Fall (even)	Credits	Interim	Credits	Spring (odd)	Credits
PHY 320 Mathematical Methods in Physics and Engineering	4	World Cultures (U) course	3	PHY 365 Physics Research Seminar	1
CHE 208	4			Comparative Systems (G) course	3
& CHE 208D				Interpreting Biblical themes (J) course	3
Accelerated General Chemistry and Accelerated General Chemistry Lab					
	8		**3**		**7**
FOURTH YEAR					
Fall (odd)	Credits	Interim	Credits	Spring (even)	Credits
PHY 340 Mechanics	4	Interim Off	0	PHY 490 Research	3
Science, Technology, and Society (K) course	3			Contemporary Christian Issues (P) course	3
Elective	3			Leisure and Lifetime Sport (Q) course	1
Cross-Cultural Experience (Z) course	0-3			Artistic Experience (A) course	0-3
	10-13		**0**		**7-10**
Total Credits 122-128					

**1. Students must complete through the second semester of a first year language course or equivalent (Check the catalog for details of this option.)

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 load falls below 15 credits/semester. (Interim credits may be split between fall and spring for state grant purposes only.)

*This plan gives all of the core courses for a Applied Physics Major along with some suggested General Education courses. Students must also select an emphasis to complete their major (see this catalog page for more information). Once an emphasis is determined, change your major with this change of major form. Then, change your major on the "About Me" tab, and use the "Bethel Advising" menu option to add the new planning sheet. If you have interest in an emphasis, explore it early on, with coursework, so you don't get behind in your major.