

B.S. in Computer Science 2016-2017: Option 1 - CWILT

First Year

Fall	Credits	Interim	Credits	Spring	Credits
COS100 or 205 Introduction to Programming	3	Nature of Persons (N) course	3	COS105 Computer Science *1	4
MAT124M Calculus *1	4			MAT125 Calculus *2	4
<u>GES106 Introduction to Liberal Arts</u>	1			<u>BIB101 Introduction to the Bible</u>	3
<u>GES110 College Writing</u>	3			Second Language (S) course *1	4
<u>GES130 Christianity Western Culture</u>	4				
	15		3		15

Second Year

Fall	Credits	Interim	Credits	Spring	Credits
COS212 Computer Science *2	4	<u>THE201 Christian Theology</u>	3	<u>COS214 Computer Systems</u>	4
<u>MAT241 Discrete Mathematics</u>	3			<u>COS216 Data Structures and Algorithms</u>	3
<u>GES125 Introduction to the Creative Arts</u>	4			<u>MAT211 Linear Algebra</u>	3
Laboratory Science (D) course	4			Contemporary Western Life and Thought (L) course	3
				<u>PEA100 Physical Wellness for Life</u>	1
	15		3		14

Third Year

Fall	Credits	Interim	Credits	Spring	Credits
<u>COS301 Operating Systems and Computer Architecture</u>	4	<u>COS450 (interim, even years)</u>	3	<u>COS371 (spring, even years)</u>	3
<u>COS318 Web Programming</u>	3			<u>COS477 (spring, even years)</u>	3
MAT376 (fall, odd years (or elective)) *2	3			Interpreting Biblical Themes (J) course	3
<u>COS320 (fall, odd years)</u>	3			Elective	4
World Cultures (U) course	3			Cross-Cultural Experience (Z) course	0-3
	16		3		13-16

Fourth Year

Fall	Credits	Interim	Credits	Spring	Credits
<u>COS313 (fall, even years)</u>	3	Interim Off		<u>COS386 (spring, odd years)</u>	3
<u>MAT330 Probability and Statistics</u>	3			<u>COS389 (spring, odd years)</u>	3
MAT344 (or elective) *2	3			Science, Technology, and Society (K) course	3
Comparative Systems (G) course	3			Contemporary Christian Issues (P) course	3
Leisure and Lifetime Sports (Q) course	1			Artistic Experience (A) course	0-3
	13		0		12-15

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.)

*2 Choose one of: MAT344, MAT376, or PHY352/PHY353 (Note: PHY352/PHY353 will require consent of instructor unless prerequisites are satisfied. Please see catalog for details.)

This program assumes a student will use MAT124M and GES334K to meet the general education Mathematics and Science, Technology, and Society 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.)

B.S. in Computer Science 2016-2017: Option 2 - Humanities

First Year					
Fall	Credits	Interim	Credits	Spring	Credits
COS100 or 205 Introduction to Programming	3	<u>GES147 Humanities II: Renaissance and Reformation</u>	4	COS105 Computer Science *1	4
MAT124M Calculus *1	4			MAT125 Calculus *2	4
<u>GES106 Introduction to Liberal Arts</u>	1			<u>GES244 Humanities III: European Enlightenment and American Culture to 1877</u>	4
Nature of Persons (N) course	3			Second Language (S) course *1	4
<u>GES145 Humanities I: Greco-Roman through Middle Ages</u>	4				
	15		4		16
Second Year					
Fall	Credits	Interim	Credits	Spring	Credits
COS212 Computer Science *2	4	World Cultures (U) course	3	<u>COS214 Computer Systems</u>	4
<u>MAT241 Discrete Mathematics</u>	3			<u>COS216 Data Structures and Algorithms</u>	3
<u>BIB101 Introduction to the Bible</u>	3			<u>MAT211 Linear Algebra</u>	3
<u>GES246 Humanities IV: Modern and Contemporary Western Culture</u>	4			Laboratory Science (D) course	4
<u>PEA100 Physical Wellness for Life</u>	1			Leisure and Lifetime Sports (Q) course	1
	15		3		15
Third Year					
Fall	Credits	Interim	Credits	Spring	Credits
<u>COS301 Operating Systems and Computer Architecture</u>	4	<u>COS450 (interim, even years)</u>	3	<u>COS371 (spring, even years)</u>	3
<u>COS318 Web Programming</u>	3			<u>COS477 (spring, even years)</u>	3
<u>COS320 (fall, odd years)</u>	3			Interpreting Biblical Themes (J) course	3
MAT376 (fall, odd years (or elective))2 *	3			Comparative Systems (G) course	3
				Cross-Cultural Experience (Z) course	0-3
	13		3		12-15
Fourth Year					
Fall	Credits	Interim	Credits	Spring	Credits
<u>COS313 (fall, even years)</u>	3	Interim Off		<u>COS386 (spring, odd years)</u>	3
<u>MAT330 Probability and Statistics</u>	3			<u>COS389 (spring, odd years)</u>	3
MAT344 (or elective) *2	3			Science, Technology, and Society (K) course	3
Elective	5			Contemporary Christian Issues (P) course	3
				Artistic Experience (A) course	0-3
	14		0		12-15
Total Credits: 122-128					

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*2 Choose one of: MAT344, MAT376, or PHY352/PHY353 (Note: PHY352/PHY353 will require consent of instructor unless prerequisites are satisfied. Please see catalog for details.)

This program assumes a student will use MAT124M and GES334K to meet the general education Mathematics and Science, Technology, and Society 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.)