B.S. in Computer Engineering 2018-2019: Option 1 - CWILT

		Computer Engineering 2010-2019.	орион :	<u> </u>	
First Year					
Fall		Interim	Credits	Spring	Credits
MAT 124M Calculus 1	4	ENR 160 Introduction to Engineering	3	MAT 125 Calculus 2	4
PHY 292	4			COS 205 Scientific Computing	
& PHY 292D					
General Physics I and General Physics I Lab					
GES 140 Introduction to Wellbeing	3			PHY 296	4
				& PHY 297	
				General Physics II and General Physics II Lab	
GES 160 Inquiry Seminar	3	1		GES 130 Christianity Western Culture	4
	14		3		15
Second Year					
Fall	Credits	Interim	Credits	Spring	Credits
PHY 260 Careers in Engineering and Physics		GES 125 Introduction to the Creative Arts		MAT 222 Differential Equations	Greate
Seminar	'	OLS 125 Introduction to the Creative Arts		IMAT 222 Differential Equations	,
PHY 302	1			COS 214 Computer Architecture	,
& PHY 303	4			COS 214 Computer Architecture	
Electronics and Electronics Lab					
		-		COC 040 Data Otherstones and Almorithms	,
COS 212 Computer Science 2 MAT 223 Multivariable Calculus	4			COS 216 Data Structures and Algorithms PHY 352 Computer Methods in Physics and	3
MAT 223 Multivariable Calculus	3				
1117011701				Engineering	
MAT 241 Discrete Mathematics	3			Contemporary Western Life and Thought (L) course	3
	15		4		16
Third Year					
Fall	Credits	Interim		Spring	Credits
MAT 330 Probability and Statistics	3	Cross-cultural experience (Z) course	0-3	MAT 211 Linear Algebra	3
COS 301 Operating Systems	4			COS 386 Data Communications and Computer	3
				Networks	
BIB 101 Introduction to the Bible	3			ENR 306	4
				& ENR 307	
				Digital Logic and Design and Digital Logic and Design	
				Lab	
ENR 336 (fall, even years) Signals and Systems	4	1		THE 201 Christian Theology	3
				37	
		•		Comparative Systems (G) course	3
	14		0-3		16
Fourth Year					
Fall	Credits	Interim	Credits	Spring	Credits
ENR 316		COS 450 Humans and Computers		ENR 490 Engineering Design Project	3
& ENR 317					-
Analog Circuitry and Design and Analog Circuitry					
Design Lab					
ENR 436	4			Second Language (S) course*1	,
& ENR 437	4			Coolid Language (0) course 1	
Microprocessors and Microprocessors Lab					
ENR 465 Engineering Design Seminar	1	1		Science Technology and Society (K) course	(
		-		Science, Technology, and Society (K) course	
Interpreting Biblical Themes (J) course	3	4		Contemporary Christian Issues (P) course	3
Leisure and Lifetime Sports (Q) course	1			Artistic Experience (A) course (0-3 credits)	,
	13		3		14
Total Credits 127-130					

Total Credits 127-130

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

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 Engineering 2018-2019: Option 2 - Humanities									
First Year									
Fall	Credits	Interim	Credits	Spring	Credits				
MAT 124M Calculus 1	4	GES 147 Humanities II: Renaissance and Reformation	4	MAT 125 Calculus 2	4				
GES 140 Introduction to Wellbeing	3			GES 244 Humanities III: European Enlightenment and	4				
	_			American Culture to 1877					
GES 145 Humanities I: Greco-Roman through Middle	4			PHY 296	4				
Ages				& PHY 297					
1.9				General Physics II and General Physics II Lab					
PHY 292	Δ	1		COS 205 Scientific Computing	3				
& PHY 292D				200 200 Colonial Companing					
General Physics I and General Physics I Lab									
General Filysics Fand General Filysics Flab	15		4		15				
Second Year	10		4		13				
Fall	Crodita	Interim	Credits	Carina	Credits				
MAT 223 Multivariable Calculus		ENR 160 Introduction to Engineering		PHY 352 Computer Methods in Physics and	credits				
IVIA 1 223 IVIUILIVAITADIE GAICUIUS	3	ENT 100 Introduction to Engineering	3	Engineering	3				
MAT OAA Disserts Mathematics				MAT 222 Differential Equations	0				
MAT 241 Discrete Mathematics	3				3				
PHY 302	4			COS 214 Computer Architecture	4				
& PHY 303									
Electronics and Electronics Lab									
GES 246 Humanities IV: Modern and Contemporary	4	•		Leisure and Lifetime Sports (Q) course	1				
Western Culture									
COS 212 Computer Science 2	4			COS 216 Data Structures and Algorithms	3				
	18		3		14				
Third Year									
Fall	Credits	Interim	Credits	Spring	Credits				
COS 301 Operating Systems	4	Cross-cultural experience (Z) course	0-3	MAT 211 Linear Algebra	3				
ENR 336 Signals and Systems	4			COS 386 Data Communications and Computer	3				
,				Networks					
MAT 330 Probability and Statistics	3			BIB 101 Introduction to the Bible	3				
PHY 260 Careers in Engineering and Physics Seminar	1			ENR 306	4				
				& ENR 307					
				Digital Logic and Design and Digital Logic and Design					
				Lab					
	12		0-3	***	13				
Fourth Year	12	1	0-3		13				
Fall	Cradite	Interim	Credits	Spring	Credits				
ENR 316		COS 450 Humans and Computers		ENR 490 Engineering Design Project	oreuns				
& ENR 317	-	COS 450 Flumans and Computers	3	LINK 490 Engineering Design Project	3				
Analog Circuitry and Design and Analog Circuitry									
Design Lab				0					
ENR 436	4			Second Language (S) course*1	4				
& ENR 437									
Microprocessors and Microprocessors Lab									
ENR 465 Engineering Design Seminar	1			Science, Technology, and Society (K) course	3				
Interpreting Biblical Themes (J) course	3			Contemporary CHristian Issues (P) course	3				
				Artistic Experience (A) course (0-3 credits)	1				
	12		3		14				

Total Credits 123-126

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

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.