

B.S. in Software Engineering 2018-2019: Option 1 CWILT (Modular)

First Year					
Fall	Credits	Interim	Credits	Spring	Credits
COS 100 Introduction to Programming	3	GES 160 Inquiry Seminar	3	COS 105 Computer Science 1	4
MAT 124M* Calculus 1	4			GES 125 Introduction to the Creative Arts	4
GES 140 Introduction to Wellbeing	3			Second Language (S) Course	4
GES 130 Christianity Western Culture	4			BIB 101 Introduction to the Bible	3
	14		3		15
Second Year					
Fall	Credits	Interim	Credits	Spring	Credits
MAT 241 Discrete Mathematics	3	ENR 160 Introduction to Engineering	3	COS 214 Computer Architecture	4
Contemporary Western Life and Thought	3			COS 216 Data Structures and Algorithms	3
COS 212 Computer Science 2	4			Leisure and Lifetime Sport (Q) course (0-3 credits)	1
Laboratory Science (D) course	4			MAT 211 Linear Algebra	3
				THE 201 Christian Theology	3
				Artistic Activity (A) course (0-3 credits)	1
	14		3		15
Third Year					
Fall	Credits	Interim	Credits	Spring	Credits
World Cultures (U) course	3	COS 450 Humans and Computers	3	BUS 334 Principles of Project Management	3
COS 301 Operating Systems	4			Comparative Systems (G) course	3
MAT 207M Statistical Analysis	3			COS 386 Data Communications and Computer Networks	3
COS 313 (fall, even # years) Database Systems	3			Cross-cultural Experience (Z) (0-3 credits)	1
				COS 420 Software Process	3
	13		3		13
Fourth Year					
Fall	Credits	Interim	Credits	Spring	Credits
COS 477 Software Engineering	3	Interim off		Interpreting Biblical Themes (J) course	3
Electives	4			COS 371 Organization of Programming Languages	3
COS 318 Web Programming	3			ENR 490 Engineering Design Project	3
ENR 465 Engineering Design Seminar	1			Contemporary Christian Issues (P) course	3
Science, Technology, and Society (K) course	3			Elective	3
	14		0		15
Total Credits 122					

*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 Software Engineering 2018-2019: Option 2 - Humanities (Integrated)

First Year					
Fall	Credits	Interim	Credits	Spring	Credits
COS 100 Introduction to Programming	3	GES 147 Humanities II: Renaissance and Reformation	4	COS 105 Computer Science 1	4
MAT 124M* Calculus 1	4			Second Language (S) course	4
GES 140 Introduction to Wellbeing	3			GES 244 Humanities III: European Enlightenment and American Culture to 1877	4
GES 145 Humanities I: Greco-Roman through Middle Ages	4			BIB 101 Introduction to the Bible	3
	14			4	15
Second Year					
Fall	Credits	Interim	Credits	Spring	Credits
COS 212 Computer Science 2	4	ENR 160 Introduction to Engineering	3	MAT 211 Linear Algebra	3
MAT 241 Discrete Mathematics	3			COS 214 Computer Architecture	4
Laboratory Science (D) course	4			COS 216 Data Structures and Algorithms	3
GES 246 Humanities IV: Modern and Contemporary Western Culture	4			World Cultures (U) course	3
	15			3	15
				Artistic Activity (A) course (1-3 credits)	1
				Leisure and Lifetime Sport (Q) course	1
Third Year					
Fall	Credits	Interim	Credits	Spring	Credits
COM 248 Organizational Communication	3	COS 450 Humans and Computers	3	COS 420 Software Process	3
COS 301 Operating Systems	4			Cross-cultural Experiences (Z) course	1
MAT 207M Statistical Analysis	3			COS 386 Data Communications and Computer Networks	3
COS 313 Database Systems	3			Interpreting Biblical Themes (J) course	3
	13			3	13
				BUS 334 Principles of Project Management	3
Fourth Year					
Fall	Credits	Interim	Credits	Spring	Credits
Comparative Systems (G) course	3	Interim Off		COS 371 Organization of Programming Languages	3
COS 477 Software Engineering	3			Contemporary Christian Issues (P) course	3
Science, Technology, and Society (K) course	3			ENR 490 Engineering Design Project	3
ENR 465 Engineering Design Seminar	1			Electives	6
COS 318 Web Programming	3				
	13	0	15		
Total Credits 123					

*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.)