

B.A. in Computer Science with Software Project Management 2020-2021: Option 1 - CWILT

FIRST YEAR					
Fall	Credits	Interim	Credits	Spring	Credits
COS 100 or 205 Introduction to Programming or Scientific Computing	3	GES 160 Inquiry Seminar	3	COS 105 Object-oriented Design and Programming	4
MAT 124M Calculus 1	4			GES 130 Christianity Western Culture	4
BIB 101 Introduction to the Bible	3			GES 140 Introduction to Wellbeing	3
GES 125 Introduction to the Creative Arts	4			Second Language (S) course *1	4
	14		3		15
SECOND YEAR					
Fall	Credits	Interim	Credits	Spring	Credits
COS 212 Data Structures	4	Elective	3	BUS 210 Financial Accounting	4
MAT 241 Discrete Mathematics	3			COS 216 Algorithms and Advanced Data Structures	3
Laboratory Science (D) course	4			MAT 207M Statistical Analysis	3
Contemporary Western Life and Thought (L) course	3			THE 201 Christian Theology	3
				Cross-Cultural Experience (Z) course	0-3
	14		3		15
THIRD YEAR					
Fall	Credits	Interim	Credits	Spring	Credits
BUS 230 or COM 248 Principles of Management or Organizational Communication	3-4	Interim off		COS 420 (spring, odd # years) Software Process	3
COS 313 (fall, even years) or elective Database Systems *2	3			Artistic Experience (A) course	0-3
COS 318 (fall) Web Programming *2	3			Science, Technology, and Society (K) course	3
World Cultures (U) course	3			Leisure and Lifetime Sports (Q) course	1
				Electives	6
	12-13		0		13-16
FOURTH YEAR					
Fall	Credits	Interim	Credits	Spring	Credits
COM 220 Group Communication	4	COS 450 (interim, even # years) Humans and Computers	3	BUS 334 Principles of Project Management	3
COM 370 (fall, odd # years) Interpersonal Communication	4			BUS 344 Managerial Finance	4
Interpreting Biblical Themes (J) course	3			COS 420 (Spring, odd # years)	3
Comparative Systems (G) course	3			Contemporary Christian Issues (P) course	3
				Elective	3
	14		3		16
Total Credits 122-126					

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

*2. Choose either [COS 313](#) or [COS 318](#) (Check the catalog for details.)

This program assumes a student will use [MAT 124M](#) and [GES 334K](#) to meet the General Education Mathematics (M) course and Science, Technology, and Society (K) 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.)

B.A. in Computer Science with Software Project Management 2020-2021: Option 2 - Humanities

FIRST YEAR					
Fall	Credits	Interim	Credits	Spring	Credits
COS 100 or 205 Introduction to Programming or Scientific Computing	3	GES 147 Humanities II: Renaissance and Reformation	4	COS 105 Object-oriented Design and Programming	4
MAT 124M Calculus 1	4			GES 244 Humanities III: European Enlightenment and American Culture to 1877	4
GES 140 Introduction to Wellbeing	3			BIB 101 Introduction to the Bible	3
GES 145 Humanities I: Greco-Roman through Middle Ages	4			Second Language (S) course *1	4
	14		4		15
SECOND YEAR					
Fall	Credits	Interim	Credits	Spring	Credits
COS 212 Data Structures	4	Elective	3	BUS 210 Financial Accounting	4
MAT 241 Discrete Mathematics	3			COS 216 Algorithms and Advanced Data Structures	3
GES 246 Humanities IV: Modern and Contemporary Western Culture	4			MAT 207M Statistical Analysis	3
Laboratory Science (D) course	4			Elective	3
				Cross-Cultural Experience (Z) course	0-3
	15		3		13-16
THIRD YEAR					
Fall	Credits	Interim	Credits	Spring	Credits
BUS 230 or COM 248 Principles of Management or Organizational Communication	3-4	Interim off		COS 420 (Spring, odd # years)	3
COS 313 (fall, even # years) or elective Database Systems *2	3			Artistic Experience (A) course	0-3
COS 318 Web Programming *2	3			Science, Technology, and Society (K) course	3
World Cultures (U) course	3			Leisure and Lifetime Sports (Q) course	1
				Electives	6
	12-13		0		13-16
FOURTH YEAR					
Fall	Credits	Interim	Credits	Spring	Credits
COM 220 Group Communication	4	COS 450 (Interim, even # years)	3	BUS 334 Principles of Project Management	3
COM 370 Interpersonal Communication	4			BUS 344 Managerial Finance	4
Interpreting Biblical Themes (J) course	3			COS 420 (Spring, odd # years)	3
Comparative Systems (G) course	3			Contemporary Christian Issues (P) course	3
Elective	3			Electives	4
	17		3		17
Total Credits 126-133					

*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 either [COS 313](#) or [COS 318](#) (Check the catalog for details.)

This program assumes a student will use [MAT 124M](#) and [GES 334K](#) to meet the General Education Mathematics (M) course and Science, Technology, and Society (K) 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.)