

Requirements for the Bachelor of Science Degree in Computer Science

Lower Division Requirements		Upper Division Requirements		Electives- min 7 units. (8 units if ISS472 chosen from group)		
Computer Science 132 ⁽²⁾ __	Intro to Computer Science	Computer Science 314 ⁽⁴⁾ __	Operating Systems	CSC 373 ⁽³⁾ __	ISS424 ⁽⁴⁾ __	
Computer Science 142 ⁽²⁾ __	Intro to Computer Programming	Computer Science 324 ⁽⁴⁾ __	Software Engineering	CSC412 ⁽²⁾ __	ISS472 ⁽²⁾ __	
Computer Science 154 ⁽⁴⁾ __	Fundamentals of Computer Science	Computer Science 354 ⁽⁴⁾ __	Design and Analysis of Algorithms	CSC491 ⁽¹⁻⁴⁾ __	MTH232 ⁽²⁾ __	
Computer Science 254 ⁽⁴⁾ __	Data Structures and Algorithms	Computer Science 394 ⁽⁴⁾ __	Programming Languages	CSC496 ⁽²⁾ __	MTH274 ⁽⁴⁾ __	
Mathematics 164 ⁽⁴⁾ __	Calculus I	Computer Science 412 ⁽²⁾ __	Topics in Computer Science	CSC497 ⁽¹⁾ __	MTH312 ⁽²⁾ __	
Mathematics 174 ⁽⁴⁾ __	Calculus II	Computer Science 422 ⁽²⁾ __	Theory of Computation	CSC498 ⁽²⁾ __	MTH334 ⁽⁴⁾ __	
		Computer Science 454 ⁽⁴⁾ __	Computer Architecture and Assembly Language	CSC499 ⁽¹⁾ __	MTH392 ⁽²⁾ __	
		Computer Science 481 ⁽¹⁾ __	Senior Seminar in Comp. Science	HON498 ⁽²⁾ __	*MTH203 ⁽³⁾ __	
Choose one from:	Comp Science 496 ⁽²⁾ and 497 ⁽⁴⁾ __	Service Learning in CS I and II	Computer Science 494 ⁽⁴⁾ __	Software Project	HON499 ⁽¹⁾ __	*MTH382 ⁽²⁾ __
	Comp Science 498 ⁽²⁾ and 499 ⁽⁴⁾ __	Independent Research I and II	Mathematics 344 ⁽⁴⁾ __	Discrete Mathematics	ISS414 ⁽⁴⁾ __	*at most one of
	Information Systems 472 ⁽²⁾ __	Internship				
	Honors 498 ⁽²⁾ and 499 ⁽¹⁾ __	Honors Project I and II				

I. Responding to the Sacred	
Biblical Foundations	Bible 101 ⁽²⁾ __ and Bible 102 ⁽³⁾ __
The Christian Tradition	Church History 395 ⁽³⁾ __ or Church History 484 ⁽³⁾ and 485 ⁽³⁾ __ Theology 306 ⁽³⁾ __
II. Developing Cognitive Abilities	
Personal Development	Psychology 101 ⁽⁴⁾ (FF) __ or Psychology 103 ⁽³⁾ __
Critical Thinking and Communication	Writing 110 ⁽³⁾ __ and Communication 100 ⁽³⁾ __ or Writing 120 ⁽³⁾ __ or Communication 231 ⁽³⁾ __
Basic Competence	Writing Sample __ Writing 099 __
Problem Solving	Mathematics 303 ⁽³⁾ __ or Mathematics 144 ⁽⁴⁾ __ Mathematics 164 ⁽⁴⁾ __
Basic Competence	Placement Test __ Math 099 __ SAT 35th %ile __ ACT 35th %ile __
III. Exploring an Interdependent World	
The Natural World	Biological Science ⁽⁴⁾ __ and Physical Science ⁽⁴⁻⁵⁾ __ One with lab __
Physical Fitness and Nutrition	PED __ (One of Physical Education 102-184) Take one of the following: Physical Education 100 ⁽¹⁾ __ Family & Consumer Sci. 315 ⁽³⁾ __ Physical Education 211 ⁽²⁾ __ Physical Education 300 ⁽²⁾ __ Physical Education 212 ⁽²⁾ __ Physical Education 213 ⁽²⁾ __
The Social World	Take one of the following: Economics 101 ⁽³⁾ __ Sociology 101 ⁽³⁾ __ Economics 102 ⁽³⁾ __ Sociology 103 ⁽³⁾ __ Sociology 201 ⁽³⁾ __ Political Science 101 ⁽³⁾ __ Political Science 190 ⁽⁴⁾ __

IV. Seeking Cultural Perspectives	
The History of World Civilizations	History 110 ⁽³⁾ __ and History 111 ⁽³⁾ __
The Fine Arts	Music History 100 ⁽²⁾ __ Art 100 ⁽²⁾ __ Take two of the following areas: (MUH, ART, TRE) Music History 101 ⁽²⁾ __ Art 102 ⁽³⁾ __ Theater 101 ⁽²⁾ __ Art 200 ⁽³⁾ __ Art 201 ⁽³⁾ __
Philosophy	Philosophy 201 ⁽³⁾ __ or Philosophy 211 ⁽³⁾ __
Literature	Take two courses, at least one from masterpieces.
Masterpieces:	Literature 201 ⁽³⁾ __ Literature 203 ⁽³⁾ __ Literature 202 ⁽³⁾ __
Great Works:	Literature 205 ⁽²⁾ __ Literature 208 ⁽²⁾ __ Literature 206 ⁽²⁾ __ Literature 325 ⁽³⁾ __ Literature 207 ⁽²⁾ __ Literature 460 ⁽³⁾ __
Foreign Language	Take one of the following sequences: Spanish 101 ⁽⁴⁾ __ and Spanish 102 ⁽⁴⁾ __ German 101 ⁽⁴⁾ __ and German 102 ⁽⁴⁾ __ French 101 ⁽⁴⁾ __ and French 102 ⁽⁴⁾ __ Biblical Lang. 205 ⁽⁴⁾ __ and Biblical Lang. 206 ⁽⁴⁾ __ or Biblical Lang. 207 ⁽³⁾ __ and Biblical Lang. 208 ⁽³⁾ __ and Biblical Lang. 337 ⁽³⁾ __