

Degree Guide for the College of Arts and Sciences: 2017-2018

B.A. COMPUTER SCIENCE & COMPUTATIONAL THINKING

English Concentration

COLLEGE of ARTS & SCIENCES Language Requirement

All students who major in the College of Arts & Sciences are required to demonstrate competence in a second language. For complete details see: <http://www.gonzaga.edu/Academics/Colleges-and-Schools/College-of-Arts-and-Sciences/Majors-Programs/language-requirement->

	Credits	Sem/Yr

UNIVERSITY CORE REQUIREMENTS:

► FUNDAMENTAL CORE COURSES

Year 1: Understanding & Creating

	Credits	Sem/Yr
<i>Writing</i>		
ENGL 101 Writing (fulfills 3 credits Writing Enriched)*	3	
<i>Reasoning</i>		
PHIL 101 Reasoning	3	
<i>First Year Seminar</i>		
193	3	
<i>Communication & Speech</i>		
COMM 100 Communication & Speech	3	
<i>Math</i>		
MATH (must be above Math 100)	3	
<i>Scientific Inquiry (2cr + 1cr lab)</i>		
BIOL or CHEM or PHYS 104/104L (taken year 1 or 2)	3	

Year 2: Being & Becoming

	Credits	Sem/Yr
<i>Christianity & Catholic Traditions</i>		
RELI (see approved list)**	3	
<i>Philosophy of Human Nature</i>		
PHIL 201 Philosophy of Human Nature	3	

Year 3: Caring & Doing

	Credits	Sem/Yr
<i>World/Comparative Religion</i>		
RELI (see approved list)** (fulfills 3cr Global Studies)*	3	
<i>Ethics</i>		
PHIL 301 Ethics or RELI 330 Principals-Christian Morality	3	

Year 4: Imagining the Possible

	Credits	Sem/Yr
<i>Core Integration Seminar</i>		
492	3	

NOTE: some courses have pre-requisites, check the catalogue carefully!

► BROADENING COURSES - see approved list**

	Credits	Sem/Yr
Social & Behavioral Science	3	
Literature	3	
History	3	
Fine Arts & Design	3	

► REQUIRED COURSE DESIGNATIONS - see approved list**

	Credits	Sem/Yr
*Writing Enriched		
9 total		
Social Justice		
3 total		
*Global Studies		
6 total		

**for list of approved RELI, Broadening & Designated courses, see :

<http://www.gonzaga.edu/Academics/Undergraduate/General-Degree-Requirements-and-Procedures/University-Core/Default.asp>

B.A. Computer Science & Computational Thinking

55-59 Credits

LOWER DIVISION

15-16 Credits

Course	Course Title	Credits	Grade
CPSC 121	Computer Science I	3	
CPSC 122	Computer Science II	3	
CPSC 223	Algorithm/Abstract Data Structures	3	
MATH 231	Discrete Structures	3	

One of the following two courses:

Course	Course Title	Credits	Grade
MATH 148	Survey of Calculus	3	

OR

MATH 157	Calculus & Analytic Geometry I	4	
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UPPER DIVISION

28 Credits

Course	Course Title	Credits	Grade
CPSC 491/491L/492L	Softwr Engr/Senior Design I & II	6	
CPSC 499	Computers & Society	1	

In consultation with their advisor, students also choose an additional 21 credits in Computer Science courses, including Computer Science courses specific to each concentration.

NOTE: A maximum of four 200 level Computer Science courses may be used in the entire major.

Elective Computer Science courses:

21 Credits

Course	Course Title	Credits	Grade

DISCIPLINE for COMPUTATIONAL THINKING (DCT)

ENGLISH CONCENTRATION

12 Credits

Any combination of four 300- or 400-level English courses.

Course	Course Title	Credits	Grade
ENGL		3	
ENGL		3	
ENGL		3	
ENGL		3	