

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

## B.A. COMPUTER SCIENCE & COMPUTATIONAL THINKING

### Communication Studies 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

	Credits Sem/Yr
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#### UNIVERSITY CORE REQUIREMENTS:

##### ► FUNDAMENTAL CORE COURSES

##### Year 1: Understanding & Creating

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

##### Year 2: Being & Becoming

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

##### Year 3: Caring & Doing

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

##### Year 4: Imagining the Possible

Core Integration Seminar	Credits Sem/Yr
492	3

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

##### ► BROADENING COURSES - see approved list\*\*

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

##### ► REQUIRED COURSE DESIGNATIONS - see approved list\*\*

*Writing Enriched	Credits Sem/Yr
	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	
<b>OR</b>			
MATH 157	Calculus & Analytic Geometry I	4	

##### UPPER DIVISION

**28 Credits**

Course	Course Title	Credits	Grade
CPSC 491/491L/492L	Softwr Engr/Senior Design I	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)

#### COMMUNICATION STUDIES CONCENTRATION

**12 Credits**

Course	Course Title	Credits	Grade
COMM 184	Communication, Culture & Society	3	
COMM 244	Interpersonal & Small Group Comm.	3	
COMM 384	Media, Technology, & Society	3	

##### One of the following three courses:

**3 Credits**

Course	Course Title	Credits	Grade
COMM 401	Communication & Leadership	3	
COMM 418	Intercultural & Int'l Communication	3	
COMM 475	Organizational Communication	3	