

# Degree Worksheet for the College of Arts and Sciences: 2020-2021

## B.A. COMPUTER SCIENCE & COMPUTATIONAL THINKING

### Sociology 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: <https://www.gonzaga.edu/college-of-arts-sciences/about/information-for-students/language-requirement-information>

	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>		
Dept. 193	3	
<i>Communication &amp; 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 &amp; 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 Principles-Christian Morality	3	

##### Year 4: Imagining the Possible

	Credits	Sem/Yr
<i>Core Integration Seminar</i>		
Dept. 432	3	

**NOTE: some courses have pre-requisites, check the catalog 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 : <https://my.gonzaga.edu/academics/undergraduate-programs/general-degree-requirements-procedures/university-core>

#### B.A. Computer Science & Computational Thinking - Sociology Concentration

55-59 Credits

##### LOWER DIVISION

18-19 Credits

	Course	Course Title	Credit:	Grade
	CPSC 121	Computer Science I	3	
	CPSC 122	Computer Science II	3	
	CPSC 223	Algorithm/Abstract Data Structures	3	
	CPSC 224	Software Development	3	
	MATH 231	Discrete Structures	3	

##### One of the following two courses:

	Course	Course Title	Credit:	Grade
	MATH 148	Survey of Calculus	3	
	MATH 157	Calculus-Analytic Geometry I	4	

##### UPPER DIVISION

25 Credits

	CPSC 491	Software Engineering	2	
	CPSC 491L & 492L	Sr. Design Project Lab I & II	4	
	CPSC 499	Computers & Society	1	

##### Computer Science Electives:

18 Credits

	Course	any CPSC 200, 300, or 400-level course	Credit:	Grade

**NOTE!** 9 of the 18 elective credits to be determined by the DCT Committee to best coincide with the chosen concentration.

A maximum of three **electives** (9 credits) may be 200-level courses.

A maximum of five 200-level Computer Science courses may be used in the **entire major**.

Many upper division CPSC courses require CPSC 260 as a **pre-requisite**, see the undergraduate catalog for details.

DISCIPLINE for COMPUTATIONAL THINKING (DCT)

#### SOCIOLOGY CONCENTRATION

12 Credits

Any **four** Sociology courses at the 100-, 200-, & 300-levels.

	Course	Course Title	Credit:	Grade
	SOCI		3	
	SOCI		3	
	SOCI		3	
	SOCI		3	