

# Degree Worksheet for the College of Arts and Sciences: 2019-2020

## 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

	3
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#### UNIVERSITY CORE REQUIREMENTS:

##### ► FUNDAMENTAL CORE COURSES

###### Year 1: Understanding & Creating

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

###### Year 2: Being & Becoming

	Credits	Sem/Yr
<i>Christianity &amp; Catholic Traditions</i>		
RELI <i>(see approved list)**</i>	3	<input type="text"/>
<i>Philosophy of Human Nature</i>		
PHIL 201 Philosophy of Human Nature	3	<input type="text"/>

###### Year 3: Caring & Doing

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

###### Year 4: Imagining the Possible

	Credits	Sem/Yr
<i>Core Integration Seminar</i>		
Dept. 432	3	<input type="text"/>

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

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

	Credits	Sem/Yr
Social & Behavioral Science	3	<input type="text"/>
Literature	3	<input type="text"/>
History	3	<input type="text"/>
Fine Arts & Design	3	<input type="text"/>

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

	Credits	Sem/Yr
*Writing Enriched	9 total	<input type="text"/>
Social Justice	3 total	<input type="text"/>
*Global Studies	6 total	<input type="text"/>

**\*\*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 Conc. 55-59 Credits

##### LOWER DIVISION

**18-19 Credits**

	Course	Course Title	Credit:	Grade
	CPSC 121	Computer Science I	3	<input type="text"/>
	CPSC 122	Computer Science II	3	<input type="text"/>
	CPSC 223	Algorithm/Abstract Data Structures	3	<input type="text"/>
	CPSC 224	Software Development	3	<input type="text"/>
	MATH 231	Discrete Structures	3	<input type="text"/>

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

	Course	Course Title	Credit:	Grade
	MATH 148	Survey of Calculus	3	<input type="text"/>
	MATH 157	Calculus-Analytic Geometry I	4	<input type="text"/>

##### UPPER DIVISION

**25 Credits**

	Course	Course Title	Credit:	Grade
	CPSC 491	Software Engineering	2	<input type="text"/>
	CPSC 491L & 492L	Sr. Design Project Lab I & II	4	<input type="text"/>
	CPSC 499	Computers & Society	1	<input type="text"/>

##### Computer Science Electives:

**18 Credits**

	Course	any CPSC 200, 300, or 400-level course	Credit:	Grade
			<input type="text"/>	<input type="text"/>
			<input type="text"/>	<input type="text"/>
			<input type="text"/>	<input type="text"/>
			<input type="text"/>	<input type="text"/>

**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	<input type="text"/>
	SOCI		3	<input type="text"/>
	SOCI		3	<input type="text"/>
	SOCI		3	<input type="text"/>