Degree Worksheet for the College of Arts and Sciences: 2019-2020
B.A. COMPUTER SCIENCE & COMPUTATIONAL THINKING
Economics 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

Writing	Credits	Sem/Yr
ENGL 101 Writing *(fulfills 3 credits Writing Enriched)**	**3**	
Reasoning		
PHIL 101 Reasoning	**3**	
First Year Seminar		
Dept. 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 Principles-Christian Morality	**3**	

Year 4: Imagining the Possible

Core Integration Seminar	Credits	Sem/Yr
Dept. 432	**3**	

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

B.A. Computer Science & Computational Thinking - Economics Conc. — 55-59 Credits

LOWER DIVISION — 18-19 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	
CPSC	224 Software Development	3	
MATH	231 Discrete Structures	3	

One of the following two courses:

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

UPPER DIVISION — 25 Credits

Course	Course Title	Credits	Grade
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*	Credits	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)

ECONOMICS CONCENTRATION — 12 Credits

Course	Course Title	Credits	Grade
ECON	201 Microeconomics	3	
ECON	202 Macroeconomics	3	
ECON	451 Econometrics*	3	

** **NOTE** : there are pre-requisites for ECON 451, check the undergraduate catalog.*

One of the following two courses:

Course	Course Title	Credits	Grade
ECON	303 Game Theory & Economic Applications	3	
ECON	351 Managerial Economics	3	