

**Spring 2018**  
**Bachelor of Science in Computer Science**  
**Specialization in Software Engineering**

**BG Perspective (BGP) Requirements**

**Must complete at least 1 course in each of the following:**

English Composition and Oral Communication  
 Course \_\_\_\_\_ Credits \_\_\_\_\_

Quantitative Literacy  
 \_\_\_\_\_

**Must Complete at least 2 courses in each of the following:**

Humanities and the Arts  
 \_\_\_\_\_

Natural Sciences  
 \_\_\_\_\_

Social and Behavioral Sciences  
 \_\_\_\_\_

**Complete total required BGP credit hours by selecting courses from any of the above categories:**

\_\_\_\_\_

**University Requirements** Designated courses in Humanities and the Arts and the Social and Behavioral Sciences domains may be used to fulfill both the BGP requirement and one of the following university requirements:

Cultural Diversity in the US \_\_\_\_\_  
 International Perspective \_\_\_\_\_

**Composition Requirement:**

GSW 1120 Academic Writing \_\_\_\_\_

Total BGP Credits: Must be at least 36 \_\_\_\_\_

**Arts & Sciences Requirements**

**Foreign Language** (\_\_\_\_ yrs of HS\_\_\_\_)  
 \_\_\_\_\_ 1010 \_\_\_\_\_  
 \_\_\_\_\_ 1020 \_\_\_\_\_  
 \_\_\_\_\_ 2010 \_\_\_\_\_  
 \_\_\_\_\_ 2020/2120 \_\_\_\_\_

**Lab Science**  
 \_\_\_\_\_

**Quantitative Literacy**

\_\_\_\_\_ EITHER MATH 1310 OR MATH 1340 & MATH 1350

**Multidisciplinary Component** Select from approved offerings, in consultation with an advisor and a faculty mentor. Four courses total, each with a different subject prefix. At least two courses at 3000/4000 level. Multidisciplinary component courses may not fulfill major, minor, or BGP requirements.

\_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_

**Major Requirements (31 Hrs.)**

Hrs	Grade	
3	_____	CS 2010 Programming Fundamentals
3	_____	CS 2020 Object-Oriented Programming
3	_____	CS 2170 Computer Organization
1	_____	CS 2900 Internship (Co-Op) Preparation
3	_____	CS 3000 Professional and Societal Issues in Computing
3	_____	CS 3060 Programming Languages
3	_____	CS 3270 Operating Systems & Networks
3	_____	CS 3350 Standard Data Structures & Algorithms
3	_____	CS 3540 Introduction to Software Engineering
3	_____	CS 3900 Internship in Computer Science or 3 or hrs of CS 3901 Internship in Computer Science
3	_____	CS 4120 Design and Analysis of Algorithms

**Other Requirements (30 total hrs.):**

Mathematics (at least 15 hrs.) and Science

5-6	_____	MATH 1310 or both MATH 1340 & 1350
3	_____	MATH 2220 or 3220
3-6	_____	MATH 2470 or both STAT 2110 & 2120
	_____	Choose from: MATH 2320, 3130, 3280, 3320, 3420, 3430
8-10	_____	A&S Lab Science Sequence
	_____	Choose from A&S approved Natural Science and Math Courses

See CS department for list of approved courses

**Software Engineering Requirements (15 total hrs.)**

3	_____	CS 4540 Software Engineering Project
3	_____	CS 4620 Database Management Systems
9	_____	Three specialization electives from: CS 3140, CS 3160, CS 3210, CS 3240, or approved CS 3800/4800

**Electives and Non-Credit Courses**

\_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_

## Junior Audit Instructions

You must complete an official degree audit with a **College Advisor** during your junior year [60-89 hours]. To do so, you must schedule an appointment with a **College Advisor**. You should bring a completed copy of this check sheet and a current copy of your Degree Audit Reporting System (DARS) report.

For Graduation You Will Need:

1. Minimum GPA 2.00.

**Current GPA** \_\_\_\_\_

2. 122 credit hours minimum.

**In Progress/Completed** \_\_\_\_\_ **Needed** \_\_\_\_\_

3. A major, and if required, a minor, specialization or emphasis.

**Declared with the College Office**  Yes  No

4. 40 credit hours at the 3000/4000 level.

**In Progress/Completed** \_\_\_\_\_ **Needed** \_\_\_\_\_

5. Completion of all degree requirements, including the BG Perspective Requirement.

**In Progress/Completed** \_\_\_\_\_ **Needed** \_\_\_\_\_

6. At least 30 credit hours of BGSU course work.

**In Progress/Completed** \_\_\_\_\_ **Needed** \_\_\_\_\_

Any substitution or waiver of courses required for your major or minor program must originate in the department/school offering the major or minor and must be approved by the College Office.

To ensure a timely graduation, see a **College Advisor** during the semester prior to your intended graduation.

Remember to complete an **Application for Graduation** by the end of the second week of classes during the fall or spring semester, or by the end of the first week of the summer semester. For the specific dates, check your DARS. You may log onto MyBGSU to complete the online application. After the deadlines, you will need to complete an application in person in the College Office.

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### Student Contact Information:

\_\_\_\_\_  
Name (Print First & Last Name)

\_\_\_\_\_  
BGSU ID#

\_\_\_\_\_  
Street Address

\_\_\_\_\_  
City

\_\_\_\_\_  
State

\_\_\_\_\_  
Zip Code

\_\_\_\_\_  
Phone (Cell or Local Number)

\_\_\_\_\_  
BGSU Email

\_\_\_\_\_  
Student's Signature

\_\_\_\_\_  
Date

\_\_\_\_\_  
Advisor's Signature

\_\_\_\_\_  
Date