

Spring 2017
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.

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