MAJOR-TO-CAREER MAP | COMPUTER SCIENCE (BS)

BOB JONES UNIVERSITY
EST. 1927

YEAR 1

LEARN

- ❑ Complete Computer Science Foundations and Computer Science I. You will learn how to write computer programs and consider the appropriate use of technology.
- ❑ The liberal arts courses (e.g., English and Speech) help to differentiate our graduates from those from technical schools. Don't undervalue those courses.

APPLY

- ❑ CpS 110 lets you write a fun little computer game. Consider starting your portfolio with the source code and a short video of the game being played.
- ❑ Use a weekly planner to coordinate personal activities.
- ❑ Connect with a senior CpS student. Enjoy getting to know each other.

SERVE

- ❑ Choose two extra activities to get involved in: one that enhances your major and one that is outside of your major.

PLAN

- ❑ Begin to develop your résumé.
- ❑ Join either the ACM or the IEEE as a student.

YEAR 2

LEARN

- ❑ Computer Systems and Unix Programming need to be completed this year.
- ❑ If you started your freshman English sequence with En 102 Composition & Rhetoric, Technical Writing counts as your final English/Writing class. It is required for CpS majors, and it prepares you for a career in software development.
- ❑ Take the Ma 150 (Intro to Mathematical Reasoning) placement test prior to registering for Ma 300 Elementary Linear Algebra. If you do not pass the placement test, you will need to take Ma 150 before taking Ma 300.

APPLY

- ❑ Consider joining the intercollegiate programming team. You will get a chance to use your Python and Data Structure skills to solve problems.
- ❑ Schedule a time each semester, other than during preregistration, to meet with your advisor or a teacher and discuss your goals and how to implement a plan to accomplish them.

SERVE

- ❑ Get involved in a ministry in your church or society. Visit the Center for Global Opportunities for ideas.
- ❑ Go to the CGO exhibits and/or the summer ministry exhibits and get ideas on how you can use your skills to further God's kingdom.
- ❑ Consider working in the computer lab .

PLAN

- ❑ Begin networking with recruiters in your interest area by attending recruiting events on campus.
- ❑ Create a LinkedIn account and develop a profile online. Update it regularly.

YEAR 3

LEARN

- ❑ The Microprocessor and Operating Systems courses give you a deep dive into the technical side of computer science. The Microprocessor course is challenging.
- ❑ Be sure to take a load comparable with your capabilities.
- ❑ Pick an elective course or two that you will take in the next two years. One course could forward your career, but don't pass up learning something that interests you. You never know how God will use a skill that you have acquired.

APPLY

- ❑ The summer after your junior year is an ideal time for an internship or research experience.
- ❑ The intercollegiate programming team is a great way to connect with classmates.
- ❑ Connect with your cohorts. Some of them are working and getting experience, and their employers are looking for other good students.
- ❑ The simulator project will be a great addition to your portfolio.

SERVE

- ❑ Look for opportunities to show leadership: society, discipleship groups, outreach, church, etc.
- ❑ Consider helping with the CpS 110 study groups.

PLAN

- ❑ Keep your résumé updated.
- ❑ Connect with Career Services through Career Central, Facebook, Instagram, and/or Twitter.
- ❑ Start looking for senior project ideas.
- ❑ Attend the talks of recruiters. Develop connections that you may need in the future.

YEAR 4

LEARN

- ❑ Programming Language Design and Language Translation Systems have you study programming languages and how to translate them into something that a computer can run.
- ❑ Take Oral Communications first semester if you did not take it last year.
- ❑ Your senior project will showcase what you've learned at BJU. Pick a topic that you can show to recruiters.

APPLY

- ❑ Consider mentoring a freshman or sophomore computer science major. Impact someone else's life as yours has been impacted.
- ❑ Consider boosting your résumé by doing an internship, taking and passing certification tests, or getting involved with an open source software development project.
- ❑ The compiler project and the senior project will showcase the skills learned as a CpS student.

SERVE

- ❑ Your last semester will be busy, but so will most of the rest of your life. Keep investing yourself in others. Make it a life-long habit.
- ❑ Consider getting involved in an open source software development project.

PLAN

- ❑ Attend the talks of recruiters. Don't pass up the opportunity to develop your interview skills.
- ❑ Identify personal references and secure their permission.
- ❑ Is your GPA > 3.0? Consider graduate school and take the GRE exam.

CAREER OPTIONS

The computer science program at BJU open the door to many career possibilities including:

- ❑ Website and cloud-computing designer
- ❑ Data analyst
- ❑ Security analyst
- ❑ Software engineer

A computer scientist has the opportunity to work in almost every industry. These opportunities can be providing software/hardware support for the company or analyzing data for the company.

HAVE QUESTIONS?

Our Program Coordinator is here to help!
To learn more about this program, contact:

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