

BACHELOR OF ARTS COMPUTER SCIENCE

Computer science majors learn to understand and evaluate the organization, design, and construction of hardware and software for computing. Bachelor of Arts (B.A.) in Computer Science students can gain a broader education by double-majoring. They use their computer knowledge and communication skills to analyze problems and design and implement solutions that are efficient and effective.

STUDENT EXPERIENCE

Learn and Do More at RWU

Throughout all the computer science courses, students learn hands-on how to build and execute code. They determine how to fix code if it doesn't perform the way that it should. RWU students have designed their own games, written web or phone apps and developed code to make machines think for themselves.

Students also get experience working with outside clients to establish project requirements, and meet deadlines and expectations. These projects allow students to understand how computer science is applied to the real world. Working with clients also teaches our students how to communicate with non-technical individuals.

- + Are you interested in learning how computer science applies to other industries such as business, biology, web development, music, psychology, and more?
- + Do you like solving problems in a creative and intuitive way?
- + Are you passionate about helping to create the newest technologies for the 21st century?
- + Do you have an interest in double majoring to combine computer science with business or humanities?

CAREER OUTLOOK

RWU computer science alumni are working as:

- Web Developers
- Software Engineers
- Mobile App Developers



With new technologies emerging every day, computer science jobs are some of the most in-demand in the job market. Employers are looking for well-rounded graduates who have more than just technical skills. That's why RWU offers the Bachelor of Arts program.

With the ability to communicate with both programmers and non-technical clients, many students with a B.A. in Computer Science work with training teams, sales teams, or customer service.

Faculty

As experts in the field, our faculty provide students with the knowledge they need to enter the modern industry. With small class sizes, faculty members get to know their students on an academic, personal, and professional level. Students receive one-on-one advising and guidance finding internships and jobs aligned with their career interests.

With the new state-of-the-art School of Engineering, Computing and Construction Management (SECCM) Labs building (opening spring 2020), our students will be applying classroom theory and gaining hands-on experience with equipment used in today's industry. Computer science students will have access to:

- Collaborative workspaces
- Project rooms
- Design labs
- The Computer Science Software Experimentation Lab
- The BIM/Virtual Reality Lab
- The Advanced Technology and Innovation Lab

CURRICULUM

The Bachelor of Science and the Bachelor of Arts in Computer Science are similar in that students pursuing either degree learn the fundamentals of how a computer works, how it stores data, how a programming language is written, how to analyze algorithms, and how to design software.

However, our B.A. program is less focused on mathematics and allows students the flexibility to tailor the program to their particular interests. This program is also geared towards students declaring a second major outside of the computing field.

During your senior year, you will use your computing foundation to design and implement a year-long design project building a major software program for a real client. These projects include:

- Building a test bed for COMSC 110 for teachers to grade computer programs through an automated test program.
- Designing a program to determine when parking lot spaces are available.
- Creating a web-based app for the Bristol Historical Society to analyze data about preserving, repairing, or tearing down buildings.
- Developing an app for the Taunton State Hospital to manage therapy scheduling and attendance.

OVER 80% OF RWU STUDENTS GRADUATE WITH MORE THAN JUST A SINGLE MAJOR

RWU students have paired computer science with:

- Web Development
- Business
- Finance
- Biology
- Mathematics
- History
- Modern Language

