



Design the technologies of the **future**

## Bachelor of Computer Science

Every day, technology becomes more essential to the ways we live, work and play. This creates huge demand for people who understand the 'how and why' of computing, and have the skills to design, build and manage the technologies of the future.

USC's Bachelor of Computer Science prepares you to meet that demand with core skills in programming, software development, artificial intelligence and data analysis. In this industry focused degree, you'll learn how to design software, applications and systems that solve problems and improve people's lives. Specialise in high-demand fields like cloud and mobile computing, cyber security, wearable technology and the Internet of Things.

In this degree you will:

- Future-proof your career with strong core skills in programming, software development, artificial intelligence, big data, and data science/analysis
- Work with Android, Cloud, JavaScript, Java, Python and C/C++ technologies
- Choose to specialise in mobile computing, cyber security or wearable technologies (the only specialisation of its kind in Australia)
- Start building a portfolio of software, design and wearables/IoT projects from your first year of study
- Complete industry certifications and placements designed to get you job-ready

**MORE INFORMATION**  
Contact USC International  
[study@usc.edu.au](mailto:study@usc.edu.au)  
+61 7 5430 2843

[usc.edu.au/sc305](http://usc.edu.au/sc305) | CRICOS code: 0100676

University of the Sunshine Coast | CRICOS Provider Number: 01595D | Correct as at 17 May 2021  
Note: Study options and semester of offer can vary depending on the study location. For full details, visit [usc.edu.au](http://usc.edu.au).



## PROGRAM STRUCTURE

### Introductory courses (6) 72 units

**CSC100** Computer Science Project and Ethics  
**ENG103** Introduction to the Internet of Things  
**ICT110** Introduction to Data Science  
**ICT112** Programming Fundamentals  
**ICT120** Computer Networks  
**MTH103** Introduction to Applied Mathematics

### Developing and Graduate courses (11) 132 units

**MTH212** Discrete Mathematics  
**CSC200** Computer Organisation and Operating Systems  
**ICT220** Wireless Communications  
**ICT221** Object-Oriented Programming  
**DES221** Introduction to Interaction & UX Design  
**CSC201** Data Structures and Algorithms  
**CSC202** Mobile App Project  
**CSC300** Practical Machine Learning  
**CSC303** Cloud and DevOps  
**WPL310** Workplace Learning I  
PLUS select 1 course (12 units) from:  
**ICT352** Project Management  
**ENG302** Engineering Project Management

### Minor (4) 48 units

Cloud and Mobile  
Cyber Security  
Wearables and IoT

### Electives (3) 36 units

Select 3 elective courses from the undergraduate elective course options.