

# COURSE DETAIL

## QUANTUM COMPUTER SCIENCE: AN INTRODUCTION

**Country**

United Kingdom - England

**Host Institution**

Exeter College, University of Oxford

**Program(s)**

Summer in Oxford, Exeter College

**UCEAP Course Level**

Upper Division

**UCEAP Subject Area(s)**

Computer Science

**UCEAP Course Number**

134

**UCEAP Course Suffix**

S

**UCEAP Official Title**

QUANTUM COMPUTER SCIENCE: AN INTRODUCTION

**UCEAP Transcript Title**

QUANTUM COMP SCI

**UCEAP Quarter Units**

6.00

**UCEAP Semester Units**

4.00

### **Course Description**

This is an introduction to quantum computer science, intended primarily for computer scientists, physicists, electrical engineers, and mathematicians. It introduces a large number of ideas with an emphasis on building familiarity with the main concepts, and some general knowledge of terminology and methods. Mathematical methods are employed in a practical way, on a "need-to-know" basis.

### **Language(s) of Instruction**

English

### **Host Institution Course Number**

### **Host Institution Course Title**

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### **Host Institution Course Details**

<https://www.exeter.ox.ac.uk/file/2024/01/Quantum-Computer-Science.pdf>

### **Host Institution Campus**

### **Host Institution Faculty**

### **Host Institution Degree**

### **Host Institution Department**

### **Course Last Reviewed**

2025-2026

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