

# TECHNOLOGY

## TOP UNIVERSITIES FOR COURSES IN TECHNOLOGY

"The academic learning experience was great. I was able to take some science classes not offered at my home university and get some field experience in some amazing areas. "

-Matthew L. Semester in Hawai'i



### SAMPLE COURSE OPTIONS

#### SEMESTER AT MACQUARIE

*MACQUARIE UNIVERSITY*

- Fundamentals of Computer Science
- Web Technology
- Technology Management
- Information Technology Law
- Language of Science and Technology
- Advanced Computer Engineering
- Computer Graphics
- Computer Simulation

#### SEMESTER IN HAWAII

*HAWAII PACIFIC UNIVERSITY*

- Mobile Tech for the 21st Century
- Data Analysis and Visualization
- Foundations of Programming
- Discrete Math for Computer Science
- Data Structures
- Operating Systems
- Computer Security and Info Assurance
- Software Engineering
- Application Development
- Systems Analysis and Design
- IT Infrastructure

#### SEMESTER IN CHINA

*TSINGHUA UNIVERSITY*

- Biochemistry
- Machine Learning
- Algorithm Design
- Fundamentals of Cryptography
- Introduction to Computer Science
- Quantum Information
- Integrated Circuit Fabrication Processes

#### SEMESTER AT UNI OF WESTMINSTER

*UNIVERSITY OF WESTMINSTER*

- Programming Principles I
- Information Technology Security
- Object Oriented Programming
- Database Systems
- Mobile User Experience
- Advanced Interactive Media Development
- Reasoning About Programs
- Concurrent Programming
- Enterprise Application Development

#### SEMESTER IN LIMERICK

*UNIVERSITY OF LIMERICK*

- Operating Systems
- Visual Coding
- Data Mining and Data Warehousing
- Machine Learning and AI For Games
- Data Structure and Algorithms

#### SEMESTER IN THAILAND

*MAHIDOL UNIVERSITY*

- Computer Engineering
- Engineering Mathematics
- Engineering Mechanics
- Electric Circuit Analysis
- Engineering Electronics
- Programming Techniques
- Programming Paradigms
- Digital Circuit Design
- Computer Architecture
- Database Systems
- Microprocessors and Interfacing
- Embedded Systems
- Cryptography and Computer Security

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