

Iqra University - Computer Science Catalog Fall 2025

Course Code: CS 101

Course Title: Introduction to Programming

Credits: 3

Description: A foundational course introducing Python, control structures, functions, and data structures.

Prerequisites: None

Instructor: Professor Ada Lovelace

Schedule: Mon/Wed/Fri 10:00 AM - 10:50 AM

Course Code: CS 240

Course Title: Data Structures and Algorithms

Credits: 3

Description: Design and analysis of stacks, queues, trees, hash tables, and algorithms.

Prerequisites: CS 101

Instructor: Professor Alan Turing

Schedule: Tue/Thu 1:00 PM - 2:15 PM

Course Code: CS 360

Course Title: Introduction to Database Systems

Credits: 3

Description: Relational model, SQL, design, normalization, NoSQL databases.

Prerequisites: CS 240

Instructor: Dr. Edgar Codd

Schedule: Mon/Wed 2:30 PM - 3:45 PM

Course Code: CS 482

Course Title: Applied Machine Learning

Credits: 3

Description: Supervised and unsupervised learning, TensorFlow, Scikit-learn.

Prerequisites: CS 240, MATH 210

Instructor: Dr. Yann LeCun

Schedule: Tue/Thu 4:00 PM - 5:15 PM

Course Code: CS 490

Course Title: Capstone Project in Computer Science

Credits: 4

Description: Team-based software development project integrating knowledge from prior courses.

Prerequisites: Senior standing, CS 360

Instructor: Professor Donald Knuth

Schedule: Fri 1:00 PM - 3:30 PM