Zarqa University
Faculty of Information Technology
Computer science program

جامعة الزرقاء
كلية تكنولوجيا المعلومات
برنامج علم الحاسوب

Description of materials according to plan 11

1501220	Discrete Mathematics	1501110

This course studies the mathematical elements of computer science. Topics include propositional logic; predicate logic; mathematical reasoning; techniques of proof; mathematical induction; set theory; matrices; sequences and summations; functions, relations and their properties, and elementary graph. Which aims to provide students with a strong foundation in discrete mathematics, preparing them for further studies in computer science, mathematics, and related disciplines, as well as for applying these concepts in various real-world problem-solving scenarios.