

CSC 428: Computer Arabization

- Credit hours (Lectures, Lab, Tutorial): 3 (3 + 0 +1).
- Prerequisites: CSC 327.

Course content: System Arabization level (screen Arabization, keyboard Arabization, printer Arabization, font and code page manipulation, creating visual Arabic interfaces, etc.); Introduction to Arabic natural language processing (Arabic morphological analysis, Arabic syntax and semantics, Classical models, Applications); Applying neural networks in Arabic natural language processing (neural networks for Arabic morphological analysis, neural networks for syntactic analysis); The phonetic properties of the Arabic language (Arabic allophones, isolating Arabic allophones, characterization of Arabic allophones, using Arabic allophones in some applications); Applications.