COMPUTER SCIENCE -CSC

CSC 511 Introduction to Programming This foundational course will teach you the basics of computer prog- using the Python language. You will design, code, test, and debug co- programs for textual and graphical applications. Corequisite: CSC 511L.	3 Credits gramming omputer
Offered: every fall, spring, & summer.	
CSC 511L Introduction to Programming Lab Required lab for CSC 511. Corequisite: CSC 511. Offered: every fall, spring, & summer.	0 Credits
CSC 512 Data Structures and Algorithms Introduction to object-oriented programming, recursion, and data structures, including lists, stacks, queues, trees and maps. Rudimen discussion of analysis of algorithms. Python language used. Prerequisite: CSC 511 or CSC 111. Corequisite: CSC 512L. Offered: every fall, spring, & summer.	3 Credits tary
CSC 512L Data Structures and Algorithms Lab Required lab for CSC 512. Corequisite: CSC 512. Offered: every fall, spring, & summer.	0 Credits
CSC 530 Operating System Design The design of operating system software, including processor schere memory management, storage and resource allocation, and securit Prerequisite: A minimum grade of C in CSC 512 & CSC 512L. Offered: every fall.	3 Credits duling, y issues.
CSC 610 Database Management Databases, SQL, and NOSQL systems, along with concepts of norm and database design. Rudimentary discussion of data ethics and sec MySQL and MongoDB used. Prerequisite: CSC 112 or CSC 512; may be taken concurrently. Offered: every fall & spring.	3 Credits nalization curity.
CSC 610L Database Management Lab Required lab for CSC 610. Prerequisite: CSC 512L. Corequisite: CSC 610. Offered: every fall & spring.	0 Credits