

Certificate

CIT Fundamentals



Name	Empl. ID	Date Entered	Date Grad

REQUIRED COURSES	Credit	Res	Tr	Notes
CIT 105 Introduction to Computers	3			Prereq: RDG 20 or instructor consent Recommended first semester
CIT 111 Computer Hardware and Software	4			Coreq: CIT 105 and MAT 65 Recommended first semester
CIT 120 Computational Thinking	3			Prereq: Digital lit and MAT 85 or 126
CIT 170 Database Design Fundamentals	3			Prereq: Digital lit and MAT 85 or 126
CIT 180 Security Fundamentals	3			Prereq: CIT 105 and CIT 160 or 161
Approved Level I Networking Course*	4			
Approved Level I Programming Language**	3			
CERTIFICATE TOTAL	23			

*LEVEL I NETWORKING COURSES	Credit	Res	Tr	Notes
CIT 160 Introduction to Networking Concepts	4			Prereq: MAT 61 Coreq: CIT 111 or instructor consent
CIT 161 Network Fundamentals	4			Prereq: MAT 61 Coreq: CIT 111 or instructor consent

**LEVEL I PROGRAMMING LANGUAGES	Credit	Res	Tr	Notes
CIT 140 Java Script I	3			Prereq: CIT 120 and either CIT 150 or 155
CIT 141 PHP I	3			Prereq: CIT 120
CIT 142 C++ I	3			Prereq: CIT 120
CIT 143 C# I	3			Prereq: CIT 120
CIT 144 Python I	3			Prereq: CIT 120
CIT 145 Perl I	3			Prereq: CIT 120
CIT 146 Swift I	3			Prereq: CIT 120
CIT 147 Programming I: Language	3			Prereq: CIT 120
CIT 148 Visual Basic I	3			Prereq: CIT 120
CIT 149 Java I	3			Prereq: CIT 120
CIT 171 SQL I	3			Prereq: CIT 120 and 170
University Level I programming language as approved by program coordinator	3-4			

Students graduating with a degree or certificate in Computer and Information Technologies may only use a course with a grade of “C” or higher (or a “P” for Pass/Fail courses) to fulfill a core or track graduation requirement.

The Computer and Information Technologies department does not accept non-general education courses older than five years from returning or transfer students without consent from the local program coordinator.