Information Technology

Program Description

The Information Technology program at Lake Region State College prepares students for exciting, ever-changing job opportunities. IT is the driving force of business, education, entertainment, health care and government. IT is all about combining the power of computing with the study of managerial know-how and social issues to effectively solve current problems.

Students will be prepared for information-oriented office environments and learn a variety of computer application software. Lake Region gives students access to state-of-the-art equipment and facilities to prepare them for industry required certification tests available on the Lake Region State College campus.

Program Curriculum

Associate in Applied Science degree

BADM 291	Career Seminar	2
CIS 104	Microcomputer Database	3
CIS 128	Microcomputer Hardware I	3
CIS 129	Microcomputer Hardware II	3
CIS 141	Introduction to Cyber Security	3
CIS 164	Networking Fundamentals I	3
CIS 202	Advanced Software Applications	3
CIS 220	Operating Systems- Unix	3
COMM 110	Fundamentals of Public Speaking	3
CSCI 101	Introduction to Computers	3
CSCI 122	Beginning Basic / Visual Basic OR	3
CSCI 124	Beginning C++/Visual C++	
ENGL 110	College Composition I	3
ENGL 120	College Composition II OR	3
ENGL 125	Introduction to Professional Writing	
MATH 103	College Algebra	3
General Education	Health, Physical Education, Recreation	2
General Education	Humanities/Social Sciences	6
* Certificate	Computer Networking, Cyber Security, Web Design	12
TOTAL AAS CREDITS		61

Students must choose 12 credits from one certificate. Instructor may approve electives from CIS, COOP or CSCI.

IT Certificate Options

Certificate 1: Computer Networking		
CIS 165	Networking Fundamentals II	3
CIS 224	Networking I	3
CIS 243	Networking II	3
CIS 267	Intermediate Networking I	3
CIS 268	Intermediate Networking II	3
Certificate 2: Cyber Security		
CIS 142	Ethical Hacking & Network Defense	3
CIS 147	Principles of Information Security	3
CIS 241	Introduction to Digital Forensics	3
CIS 255	Computer and Network Security	3
CIS 284	Incident Response and Disaster Recovery	3
Certificate 3: Web Design		
CIS 180	Creating Web Pages I	3
CIS 181	Creating Web Pages II	3
CIS 211	Website Plan & Design	3
CIS 232	Graphic Design	3
CIS 233	Vector Images/Web Animation	3
Certificate 4: General Administrative		
CIS 128	Microcomputer Hardware I	3
CIS 129	Microcomputer Hardware II	3
CIS 141	Introduction to Cyber Security	3
CIS 164	Networking Fundamentals I	3
CIS 165	Networking Fundamentals II	3
CIS 202	Advanced Software Applications	3
CIS 220	Operating Systems-Unix	3
CSCI 122	Beginning Basic/Visual Basic OR	3
CSCI 124	Beginning C++/Visual C++	
ENGL 110	College Composition I	3
ENGL 120	College Composition II OR	3
ENGL 125	Introduction to Professional Writing	
TOTAL CERTIFICATE CREDITS		30

Faculty

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Information Technology
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