Earn&Learn
with Lake Region State College

LRSC DUAL MODEL FOR INFORMATION TECHNOLOGY

Developed with specific sub-plan for Cyber Security to include these courses as electives:

Subplan 2:

CIS 142	Ethical Hacking & Network Defense	3 cr
CIS 147	Principles of Security	3 cr
CIS 241	Introduction to Digital Forensics	3 cr
CIS 255	Computer & Netowrk Security	3 cr

Coursework is competency-based, it is possible to receive credit for academic achievement through testing, etc. For the Apprenticeship, the pre-apprenticeship courses, credit is as follows:

- CIS 128 and 129 - ability to pass certification test A+ (2 parts)
- CIS 164, CIS 122 and CIS 141 - LRSC IT faculty checks to prove competency

NOTE: LRSC agrees to have a third party review the competencies in the apprenticeship program as related to academic credit toward the degree. RACC=Registered Apprenticeship-College Consortium. LRSC agrees to develop the competency, knowledge requirements and skill capabilities in partnership with the industry partner for academic credit.

NOTE: 1 class = 45 hours for purposes of credit toward the apprenticeship.

Lake Region State College
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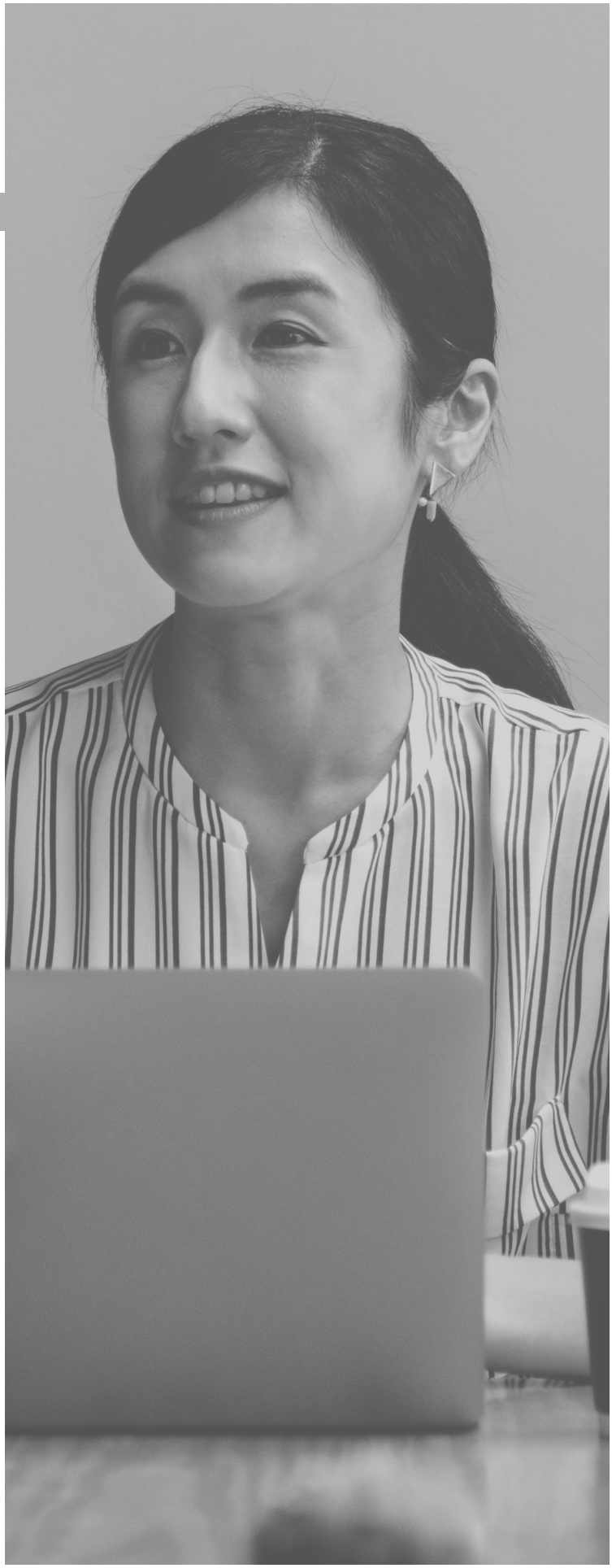

ACADEMIC AAS DEGREE: 2 YEARS	APPRENTICESHIP: 2.5 YEARS	WAGE LEVEL	HOURS
ACADEMIC 1ST SEMESTER / APPRENTICESHIP PRE-ENTRY			
CIS 141 Introduction to Cyber Security 3 cr	CIS 104 3 cr	Not employed with industry partner/pre-apprenticeship. *Credits are recommended, but not required if demonstrates or acquires basic knowledge, skill and competency in subject matter upon hire.	Credits can be obtained through dual credit or summer courses.
CIS 128 Microcomputer Hardware 3 cr	CIS 128 3 cr*		
CIS 164 Networking Fundamentals 3 cr	CIS 129 3 cr*		
CIS 255 Computer and Network Security 3 cr	CIS 141 3 cr*		
ENGL 110 College Composition I or ENGL 125 Introduction to Professional Writing 3 cr	CIS 164 3 cr*		
	CSCI 101 3 cr		
	CSCI 122 3 cr		
Academic Credits: 15 | Total Credits: 15	**Academic Credits: 21 | Total Credits: 21**		
ACADEMIC 2ND SEMESTER			
CIS 129 Microcomputer Hardware II 3 cr	CIS 142 3 cr	Begin Apprenticeship	FT employee
CIS 220 Operating Systems - Unix 3 cr	CIS 147 3 cr	A1 Employee	FT student
CSCI 124 C++ Programming 3 cr	CIS 165 3 cr		
CIS 202 Advanced Software 3 cr	CIS 202 3 cr		
CIS 165 Networking Fundamentals II 3 cr	CIS 220 3 cr		
	Begin OJT training to replace above coursework plus mentorships		
Academic Credits: 15 | Total Credits: 30	**Academic Credits: 15 | Total Credits: 36**		
SUMMER SEMESTER	12 weeks x 40 hours as Apprentice (no classes = 480 hours)		
MATH 103 College Algebra 3 cr		Begin Apprenticeship	FT employee
ENGL 120 College Composition II 3 cr		A1 Employee	
Academic Credits: 6 | Total Credits: 36	**Academic Credits: 0 | Total Credits: 36**		
ACADEMIC 3RD SEMESTER			
CIS 142 Ethical Hacking 3 cr	CIS 255 3 cr	Must complete coursework and 4 GenEd before certification and move to A2 Employee status	FT employee
CIS 147 Principles of Security 3 cr	CIS 124 3 cr		FT student
CSCI 101 Intro to Computers 3 cr	OJT training to replace above coursework plus mentorships		Certification in IT
HPER 101 or 102 Activity 1 cr			
GenEd Humanities or Social Science 3 cr			
Academic Credits: 13 | Total Credits: 49	**Academic Credits: 6 | Total Credits: 42**		
ACADEMIC 4TH SEMESTER			
BADM 291 Career Seminar 2 cr	BADM 291 2 cr	A3 Employee	FT employee
CIS 241 Intro to Digital Forensics 3 cr			FT student
CIS 104 Microcomputer Database 3 cr			
COMM 110 Fundamentals of Public Speaking 3 cr			
HPER 101 or 102 Activity 1 cr			
GenEd Humanities or Social Science 3 cr			
Academic Credits: 15 | Total Credits: 64	**Academic Credits: 2 | Total Credits: 44**		

20 GenEd Credits required for AAS to be taken throughout apprenticeship
COMM Fundamentals of Public Speaking 3 cr
ENGL 110 College Composition I 3 cr
ENGL 120 College Composition II or ENGL 125 Introduction to Professional Writing 3 cr
HPER (Health, Physical Education, Recreation) 2 cr
Humanities/Social Science/History 6 cr
MATH 103 College Algebra 3 cr
Academic Credits: 20 | Total Credits: 64

64 Credits = Associate in Applied Science (AAS) Degree