



Program of Study
Career Field: Communication and Information Systems
Career Cluster: Information Technology
Career Pathway: Programming and Software Development



Western Nebraska Community College

DEGREE:
 Pre-Computer Science

	GRADE	ENGLISH	MATH	SCIENCE	SOCIAL STUDIES	GENERAL ELECTIVES	PATHWAY ELECTIVE COURSES	EXTENDED LEARNING SCHOOL/COMMUNITY ACTIVITIES			
HIGH SCHOOL	9	English/Language Arts I	Algebra I	Physical Science	Geography	World Languages and Cultures Physical Education Health Education Entrepreneurship Digital Media Information Technology Fundamentals Network Systems Engineering Technology Industrial Technology Information Technology App. I	Information Technology App. I Information Technology App. II Programming I <i>Plus one from the following:</i> Programming II Programming III Database Design and Development Web Design and Development	<i>School Activities:</i> Develop web pages, FBLA, Prepare school multimedia/video projects, SkillsUSA, Student technology aide <i>Community Activities:</i> Part-time employment available within this career cluster, Create a community web site or promotional video, Set up computers and install software			
	10	English/Language Arts II	Geometry	Biology	World History						
	11	English/Language Arts III	Algebra II	Chemistry	American History						
	12	English/Language Arts IV	Intro to Statistics Discrete Math Pre-Calc	Physics	American Government or Economics						
WNCC		COMMUNICATIONS	MATH	SCIENCE	SOCIAL SCI/HUMANITIES	DEGREE REQUIREMENTS	MAJOR COURSES				
	13	English Composition 1	College Algebra	General Biology	Any ANTH, ECON, GEOG, HIST, POLS, PSYC, or SOCI	2 Physical Activity classes	Computer Science 1	Data Structures	Introduction to Computer Science		
		English Composition 2	Microcomputer Applications	General Zoology		Medical Terminology					
	14	Human Communication				1 Math or Science class	Technical Electives				
					4 Elective classes						