

COLLEGE: Laramie County Community College
HIGH SCHOOL(S): LCSD #1 - Central, East, South, Triumph

CLUSTER: Information Technology
PATHWAY: Computer Information Systems
PROGRAM: Cisco Certified Networking Professional Certificate
INDUSTRY CERTIFICATIONS/LICENSURES AVAILABLE: CCNP Certificate

INDUSTRY CERTIFICATIONS/LICENSURES AVAILABLE:

GRADE	ENGLISH LANGUAGE ARTS	MATH	SCIENCE	SOCIAL STUDIES	REQUIRED, RECOMMENDED, ELECTIVES COURSES CONCURRENT ENROLLMENT OPTIONS CAREER AND TECHNICAL EDUCATION COURSES				
					<i>Kuder Career Planning System Administered and Plan of Study Initiated for all Learners</i>				
SECONDARY	9	01001 English 9 - HATH or 01001 Honors English 9 - HATH	02052 Algebra 1 - HATH or 02072 Geometry - HATH or 02079 Honors Geometry - HATH	03159 Physical Science - HATH or 03052 Honors Biology - HATH	2 Credits Health and PE AND a 2 year sequence of a World Language	A minimum of 27 high school credits in grades 9 to 12 are required to graduate. Select the remaining electives from the following areas: Fine and Performing Art, Career and Technical Education, and/or any academic area.			
	10	01002 English 10 - HATH or 01002 Honors English 10 - HATH	02052 Algebra 1 - HATH or 02072 Geometry - HATH or 02079 Honors Geometry - HATH or 02056 Algebra 2 - HATH or 02069 Honors Algebra 2 - HATH	03051 Biology - HATH or 03056 AP Biology or 18002 Ag Science - HATH or 03101 Chem 1 - HATH		Recommended CTE Courses: 10004 Computer Applications MS Office; 10202 Computer Graphics - HATH; 12054 Business Law; 12052 Business Management; 11152 Desktop Publishing; 10049 Internet Technology; 12023 Multi-Media; 10201 Web Page Authoring 1 & 2; 10203 Media Productions; 11051 TV Production; 10153 Programming in Visual Basic; 10152 Intermediate Programming; 10157 AP Programming	CMAP 1700 - Word 1 (1 CE) CMAP 1705 - Word 2 (1 CE) CMAP 1750 - Excel 1 (1 CE)		
	College Placement Assessments (PLAN, PSAT) - Academic/Career Advisement Provided								
	11	01003 English 11 - HATH or 01005 AP Lang & Comp - HATH or 01006 AP Lit & Comp - HATH	02072 Geometry - HATH or 02079 Honors Geometry - HATH or 02056 Algebra 2 - HATH or 02106 College Algebra and Trig - HATH or 02123 Honors Calc and Trig - HATH	03101 Chem 1 - HATH or 03058 Botany - HATH or 03061 Zoology - HATH or 03002 Geologic Systems - HATH or 03151 Physics - HATH or 03155 AP Physics - HATH or 03207 AP Environmental Science - HATH		Select a Social Studies course not previously taken.	Other Recommended Courses: 05162 Computer Art; 05154 Design; 05154 Graphic Design; 05167 Photography; 01153 Competitive Speech; 01152 Debate; 01104 Publications-Literary Magazine; 01104 Publications Newspaper; 01104 Publications-Yearbook; 01005 AP Lang & Comp; 01006 AP Lit & Comp; 04106 Current Issues; 04165 Legal Studies; 04259 Facing History & Ourselves; 04254 Psychology; 04258 Sociology	INET 1550 - Intro to the Internet (1 CE) CMAP 2630 - PowerPoint (1 CE)	
	College Placement Assessments (ACT, PSAT/NMSQT, SAT) & Work Readiness Assessment (WorkKeys) - Academic/Career Advisement Provided								
Free LCCC Class									
12	01004 English 12 - HATH or 01005 AP Lang & Comp - HATH or 01006 AP Lit & Comp - HATH	02056 Algebra 2 - HATH or 02201 Mathematical Decision Making - HATH or 02106 College Algebra and Trig - HATH or 02203 AP Stat. HATH or 02124 AP Calc AB - HATH or 02125 AP Calc BC - HATH	03101 Chem 1 - HATH or 03102 Chem 2 - HATH or 03106 AP Chem or 03053 Human Anatomy and Physiology - HATH or 03058 Botany - HATH or 03061 Zoology - HATH or 03151 Physics - HATH or 03155 AP Physics - HATH or 03207 AP Environmental Science - HATH	Select a Social Studies course not previously taken.	CMAP 1615 - Operating Systems (3 DE)	COSC 1010 - Intro to Computer Science 1 (4 DE)	INET 1581 - Web Page Authoring 1 (1 CE) INET 1582 - Web Page Authoring 2 (1 CE)		
Free LCCC Class									
POSTSECONDARY	The Cisco Certified Networking Professional certificate is designed to provide students with the necessary advanced skills in Cisco Networking Technology and to prepare the student to take the Cisco certification exam for CCNP								
	Year 1 Fall Semester				CMAP 1615 - Operating Systems (3)	CMAP 1920 - Computer Hardware Maintenance (3)	COSC 1010 - Intro to Computer Science 1 (4)	COSC 1200 - Computer Information Systems (3)	
	Year 1 Spring Semester				CSCO 2000 - Cisco: Internetworking 1 (3)	CSCO 2010 - Cisco: Advanced Internetworking 1 (3)	CSCO 2020 - Cisco: Advanced Internetworking 2 (3)	CSCO 2025 - Cisco: Advanced Internetworking 3 (3)	
	Year 2 Fall Semester				CSCO 2050 - CCNP 1: Advanced Router Configuration (3)	CSCO 2060 - CCNP 2: Building Remote Access Networks (3)	CSCO 2070 - CCNP 3: Multi-Layer Switched Networks (3)	CSCO 2080 - CCNP 4: Internetwork Troubleshooting (3)	
This certificate can be applied to the Computer Information Systems Associate of Applied Science degree									
High School Courses for Graduation at Hathaway Honors and Performance Scholarship Levels									
High School Recommended Elective Courses									
High School Recommended Career and Technical Education Courses									
Credit-Based Transition Programs (e.g. Dual/Concurrent Enrollment)									
Post-Secondary Courses									
Mandatory Assessments, Advising, and Additional Preparation									

