COLLEGE:	Laramie County Community College	CLUSTER:	Information Technology
HIGH SCHOOL(S):	LCSD #1 - Central, East, South, Triumph	PATHWAY:	Computer Information Systems
		PROGRAM:	Programmer 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		
	Kuder Career Planning System Administered and Plan of Study Initiated for all Learners						
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	Select at least one course from this list each year. Courses may be taken in any order. Must include a World History/Geography, US History, and US & WY Govt. **04101** US Hist - HATH or **04151** US & WY Govt - HATH or **04001** World Geog - HATH or **04051** World Hist - HATH or **04004** AP Human Geog - HATH or **04157** AP Govt & Politics - HATH or **04104** AP US Hist - HATH or **04057** AP World Hist - HATH	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; **10203** 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; **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			(2 Credits Health and PE AND a 2 year sequence of a World Language spans Social Studies column)			
Free LCCC Class					**CMAP or COSC Elective (3 DE)**		
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.	**COSC 1010** - Intro to Computer Science 1 **(4 DE)**	**COSC 1200** - Computer Information Systems **(3 DE)**	**INET 1581** - Web Page Authoring 1 **(1 CE)** **INET 1582** - Web Page Authoring 2 **(1 CE)**
Free LCCC Class					**CMAP or COSC Elective (3 DE)**		

2 Credits Health and PE AND a 2 year sequence of a World Language (Social Studies column, grades 11-12)

POSTSECONDARY

The Programmer Certificate is designed to provide students with the necessary skills as a Programmer and to prepare the student for entry-level employment

Year 1 Fall Semester	COSC 1200 - Computer Information Systems **(3)**	COSC 1010 - Intro to Computer Science 1 **(4)**	INET 1581 - Web Page Authoring 1 **(1)**	INET 1582 - Web Page Authoring 2 **(1)**	INET 1583 - Web Page Authoring 3 **(1)**	Programming courses in Computer Applications (CMAP) or Computer Science (COSC) **(12)**

This certificate can be applied to the Computer Information Systems Associate of Applied Science degree

Laramie County Community College Cheyenne, WY

Career Pathways Hub

Updated 3/2012

Legend
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