

**BACHELOR OF ARTS / SCIENCE
COMPUTER SCIENCE
WEB DEVELOPMENT EMPHASIS
2014-2015**

BA
BS

GENERAL EDUCATION CORE	REQ	COMP	NEED
SKILLS COMPONENT (13 cr.)			
ENGL 101 and ENGL 102 OR ENGL 109	6		
COMM 204	3		
MATH 170	4		
HUMANITIES: 1 Literature & 1 Arts (6 cr.)			
ENGL 150, ENGL 258, ENGL 257, HUM 301	3		
ART 100, HUM 101, 150, MUS 101, THEA 101	3		
NATURAL SCIENCES: NS 150 & 1 Lab. Sci. (7 cr.)			
NS 150	3		
BIOL 102, 120, 175, 252	4		
CHEM 102, 105, 111			
FSCI 101			
GEOL 100, GEOL 120			
NS 100, 171 and 172			
PHYS 111, 205, 211			
SOCIAL SCIENCE: 3 courses from 2 subjects (9 cr.)			
HRPT 185 or SS 185	3		
ANTH 102, 120, 170	6		
ECON 101, 102, 201, 202			
GEOG 102			
HIST 101, 102, 111, 112, 115			
HRPT 184			
POLS 101, 285			
PSYC 101, 205			
SS 150, 184			
SOC 101, 102			
INTEGRATIVE COMPONENT: 1 course (3 cr.)			
NS, HUM, SS 350	3		
ID, HUM, SS 351			
General Education Core Sub-Total	38		

FOREIGN/HERITAGE LANGUAGE	REQ	COMP	NEED
101			
102	Take 16 credits of language if selecting Bachelor of Arts degree		
201			
202			

ASSOCIATE OF APPLIED SCIENCE in WEB DEV. REQUIREMENT
In order to obtain a Bachelor of Arts/Science in Computer Science with Web Development Emphasis, applicants must complete all the requirements of an Associate of Applied Science in Web Development from Lewis-Clark State College in addition to all the requirements indicated in this program.

128 Total Credit (minus remedial):
36 Upper Division Credit:

MAJOR COURSES	REQ	COMP	NEED
COMPUTER SCIENCE and WEB DEVELOPMENT Lower Division			
CS 110 Introduction to Interactive Design OR CITPT 106 Intro. to Computer Programming	4		
CS 111 Foundations of Programming	4		
CS 213 Algorithms and Data Structures	4		
CS 226 Structured Query Lang. (SQL) OR CITPT 213 Web Database Technologies	3		
CS 228 Linux and Tools	3		
CS 250 Computer Org. and Architecture	4		
MATHEMATICS Lower Division			
MATH 186 Discrete Mathematics	3		
MATH 170 Calculus I	core		

COMPUTER SCIENCE Upper Division	REQ	COMP	NEED
CS 312 Object-Oriented Design	4		
CS 360 Software Engineering	4		
CS 480 Capstone Design Project	4		
CS 435 Computer Networks	4		
CS 445 Databases and Knowledge Mgmt.	4		
CS 430 Operating Systems	4		
CS 475 Computer Systems Security	4		

WORK and GRADUATE SCHOOL PREPARATION	REQ	COMP	NEED
CS 401 Future Professionals Seminar OR CITPT 491 Workshop in Comp. Info. Tech.	1		

PROGRAM ELECTIVES	REQ	COMP	NEED
CS 400 Computer Science Elective	4		

AAS WEB DEVELOPMENT (CITPT)	REQ	COMP	NEED
CITPT Associate of Applied Sci in Web Dev	32		

SUMMARY	REQ	COMP	NEED
GENERAL EDUCATION CORE	38		
COMPUTER SCIENCE and WEB DEVELOPMENT	49		
LABORATORY SCIENCE and SCIENCE	1		
MATHEMATICS	3		
WORK and GRADUATE SCHOOL PREPARATION	1		
PROGRAM ELECTIVES	4		
ASSOCIATE of APPLIED SCI. in WEB DEVELOPMENT	32		
BACHELOR OF SCIENCE TOTAL	128		