

**BACHELOR OF ARTS / SCIENCE  
COMPUTER SCIENCE  
WEB DEVELOPMENT EMPHASIS  
2011 – 2012**

BA	<input type="checkbox"/>
BS	<input type="checkbox"/>

GENERAL EDUCATION CORE	REQ	COMP	NEED
<b>SKILLS COMPONENT (13 cr.)</b>			
ENGL 101 and ENGL 102 OR ENGL 109	6		
COMM 204	3		
MATH 170	4		
<b>HUMANITIES: 1 Literature &amp; 1 Arts (6 cr.)</b>			
ENGL 150, ENGL 258, ENGL 257, HUM 301	3		
ART 100, HUM 101, 150, MUS 101, THEA 101	3		
<b>NATURAL SCIENCES: NS 150 &amp; 1 Lab. Sci. (7 cr.)</b>			
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			
<b>SOCIAL SCIENCE: 3 courses from 2 subjects (9 cr.)</b>			
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			
<b>INTEGRATIVE COMPONENT: 1 course (3 cr.)</b>			
NS, HUM, SS 350	3		
ID, HUM, SS 351			
<b>General Education Core Sub-Total</b>	<b>38</b>		

<b>BACHELOR OF ARTS</b>
Take and additional 16 credits of language if selecting a BA degree.

<b>ASSOCIATE OF APPLIED SCIENCE in WEB DEV. REQUIREMENT</b>
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.

<b>128 Total Credit (minus remedial):</b>
<b>36 Upper Division Credit:</b>
<b>32 Resident Credit (LCSC):</b>
<b>Exit Interview Required</b>

MAJOR COURSES	REQ.	COMP	NEED
<b>COMPUTER SCIENCE and WEB DEVELOPMENT Lower Division</b>			
CS 101 Computer Science Seminar OR CITPT 191/291 Workshop in Comp. Info. Tech.	1		
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 225 Structured Query Lang. (SQL) (2cr.) OR CITPT 213 Web Database Technologies (3cr.)	2		
CS 227 Linux and System Software	2		
CS 250 Computer Org. and Architecture	4		
<b>MATHEMATICS Lower Division</b>			
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		
<b>SCIENCE Upper Division</b>			
NS 380 Senior Seminar	1		

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		
<b>BACHELOR OF SCIENCE TOTAL</b>	<b>128</b>		