

**BACHELOR OF ARTS / SCIENCE
COMPUTER SCIENCE
INFORMATION TECHNOLOGY EMPHASIS
2011 – 2012**

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		

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

ASSOCIATE OF APPLIED SCIENCE in INFO. SYSTEMS ANALYSIS
In order to obtain a Bachelor of Arts/Science in Computer Science with Information Technology Emphasis, applicants must complete all the requirements of an Associate of Applied Science in Information Systems Analysis from Lewis-Clark State College in addition to all the requirements indicated in this program.

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

MAJOR COURSES	REQ.	COMP	NEED
COMPUTER SCIENCE Lower Division			
CS 101 Computer Science Seminar OR CITPT 191/291 Workshop in Comp. Info. Tech.	1		
CS 110 Introduction to Interactive Design	4		
CS 111 Foundations of Programming	4		
CS 213 Algorithms and Data Structures	4		
CS 225 Structured Query Lang. (SQL) (2cr.)	2		
CS 250 Computer Org. and Architecture	4		
MATHEMATICS Lower Division			
MATH 186 Discrete Mathematics	3		
MATH 170 Calculus I	core		

COMPUTER SCIENCE Upper Division			
CS 312 Object-Oriented Design	4		
CS 360 Software Engineering	4		
CS 480 Capstone Design Project	4		
CS 445 Databases and Knowledge Mgmt.	4		
CS 430 Operating Systems	4		
CS 475 Computer Systems Security	4		
SCIENCE Upper Division			
NS 380 Senior Seminar	1		

WORK and GRADUATE SCHOOL PREPARATION			
CS 401 Future Professionals Seminar	1		

PROGRAM ELECTIVES Upper Division			
CS 400 Computer Science Elective	4		
CITPT 300/400 Web Development Elective OR CS 400 Computer Science Elective OR ISATI 300/400 Information Systems Analysis Elective	3		

ASSOCIATE of APPLIED SCIENCE: INFO. SYS. ANALYSIS (ISATI)			
ISATI AAS in Inform. Systems Analysis	35		

PROGRAM SUMMARY	REQ	COMP	NEED
GENERAL EDUCATION CORE	38		
COMPUTER SCIENCE	43		
LABORATORY SCIENCE and SCIENCE	1		
MATHEMATICS	3		
WORK and GRADUATE SCHOOL PREPARATION	1		
PROGRAM ELECTIVES	7		
ASSOC. of APPLIED SCI. in INFO. SYS. ANALYSIS	35		
BACHELOR OF SCIENCE TOTAL	128		