

TWO PLUS TWO PROGRAM

Between

**Lewis & Clark College
&
University of Illinois at Springfield**

**Two Years at Lewis & Clark,
A.A.S. Computer Analysis/Computer Science:**

YEAR 1:

	<u>Course</u>	<u>Semester Hour</u>
<i>First Semester</i>	<i>CIS 131 Exploring Computer Skills</i>	3
	<i>CIS 135 Computer Literacy</i>	3
	<i>CIS 140 Computer Programming Logic</i>	3
	<i>CIS 144 Systems Analysis & Design</i>	3
	<i>ENGL 131 First year English I</i>	3
		Total 15
<i>Second Semester</i>	<i>CIS 130 Intro to Programming (Quick Basic)</i>	3
	<i>CIS 145 Database Design Concepts</i>	3
	<i>CIS 200 COBOL</i>	4
	<i>CIS 235 C Programming</i>	3
	<i>MTH 145 General Election Statistics</i>	4
		Total 17

YEAR 2:

	<u>Course</u>	<u>Semester Hour</u>
<i>Third Semester</i>	<i>CIS 142 Alternate Operating Systems</i>	3
	<i>CIS 236 C ++ Programming Language</i>	3
	<i>CIS 260 Event-Driven Programming (VB)</i>	3
	<i>WEB 140 HTML</i>	3
	<i>SPCH 145 Public & Private Communication (IAI approved) Humanities/ Fine Arts Elective</i>	3
		Total 18
<i>Fourth Semester</i>	<i>CIS 243 Issues in Information Systems</i>	3
	<i>CIS 252 Computer Software Applications</i>	3
	<i>CIS 280 Computer Info Systems Co-op I</i>	2
	<i>ECON 151 OR ECON 152 Macro or Microeconomics</i>	3
	<i>JOBS 133 Job Seeking Skills</i>	1
	<i>MATH 131 College Algebra OR</i>	
	<i>MATH 165 Calculus for Business & Social Science</i>	4
	<i>WEB240 Java Programming</i>	3
		Total 19

**Two Years at University of Illinois at Springfield,
B.S. Computer Science:**

YEAR 3:

	<u>Course</u>	<u>Semester Hour</u>
<i>Fifth Semester</i>	<i>CSC 376 Computer Organization</i> 4 <i>CSC 385 Data Structures & Algorithms</i> 4 <i>MATH 115 (if student did not take MTH 165 at LC)</i> 4 <i>(PAC) Public Affairs colloquia (UIS requirement)</i> 4	
		Total 16
<i>Sixth Semester</i>	<i>MAT 302 (General Elective) Discrete Math</i> 4 <i>(LSC) Liberal Studies Colloquia (UIS requirement)</i> 4 <i>CSC 387 Foundations of Computer Science</i> 4 <i>CSC Elective</i> 4	
		Total 16

YEAR 4:

<i>Seventh Semester</i>	<i>CSC 388 Programming Languages</i> 4 <i>CSC Elective</i> 4 <i>(PAC) OR (LSC) OR (AST) (UIS requirement)</i> 4 <i>UIS Lab/Science Elective</i> 4	
		Total 16
<i>Eighth Semester</i>	<i>CSC 389 Introduction to Operating Systems</i> 4 <i>CSC 478 Software Engineering Capstone</i> 4 <i>CSC Elective</i> 4 <i>UIS Humanities Elective</i> 4	
		Total 16
<i>Ninth Semester</i>	<i>UIS Social Science Elective</i> 4 <i>2 semester hour Science Elective</i> 2	
		Total 6