

TWO PLUS TWO PROGRAM

Between

**Rock Valley College
&
University of Illinois at Springfield**

**Two Years at Rock Valley College,
A.A.S. Personal Computer Technical:**

YEAR 1:

	<u>Course</u>	<u>Semester Hour</u>
<i>First Semester</i>	<i>CIS 276 Intro to C/C++ Programming</i>	<i>4</i>
	<i>ENG 101 Composition I</i>	<i>3</i>
	<i>Option A OR B</i>	<i>3-4</i>
	<i>EET 100 Intro to Electronics</i>	<i>3</i>
	<i>PSY 170 General Psychology OR</i>	
	<i>SOC 190 Intro to Sociology</i>	<i>3</i>
		Total 16-17
<i>Second Semester</i>	<i>CIS 240 Intro to Java Programming</i>	<i>4</i>
	<i>WEB 101 Programming Related to the Internet</i>	<i>4</i>
	<i>MTH 160 Topics from Finite Mathematics</i>	<i>3</i>
	<i>Option A OR B</i>	
	<i>CIS 117 Windows/DOS Command Line Programming</i>	<i>2</i>
		Total 16-17

YEAR 2:

	<u>Course</u>	<u>Semester Hour</u>
<i>Third Semester</i>	<i>CIS 102 OR</i>	<i>3</i>
	<i>PIS 202 Intro to Computers OR</i>	
	<i>PCT 101 Beginning Computer Concepts</i>	
	<i>Option A OR B</i>	<i>3-4</i>
	<i>CIS 290 Java II</i>	<i>4</i>
	<i>MTH 211 Calculus for Business & Social Sciences</i>	<i>4</i>
	<i>ENG 103 Composition II OR SPH 131 Speech</i>	<i>3</i>
		Total 16-17
<i>Fourth Semester</i>	<i>PCT 262 Computer Service & Repair</i>	<i>3</i>
	<i>PCT 270 Intro to Unix/Linux</i>	<i>3</i>
	<i>Option A OR B</i>	<i>3-4</i>
	<i>PC Technical Specialist elective</i>	<i>4</i>
	<i>MTH 220 Elements of Statistics</i>	<i>3</i>
		Total 16-17

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>		
	CSC 376 Computer Organization	4
	CSC 385 Data Structures & Algorithms	4
	(PAC) Public Affairs colloquia (UIS requirement)	4
	Science with Lab elective	4
		Total 16
<i>Sixth Semester</i>		
	CSC 387 Foundations of Computer Science	4
	CSC Elective	4
	(LSC) Liberal Studies Colloquia (UIS requirement)	4
	Social Science Elective	4
	Science course	3

YEAR 4:

<i>Seventh Semester</i>		4
	CSC 288 Programming Languages	4
	CSC Elective	4
	(PAC) OR (LSC) OR (AST) (UIS requirement)	4
	UIS Humanities Elective	4
		Total 16
<i>Eighth Semester</i>		4
	CSC 389 Introduction to Operating Systems	4
	CSC 478 Software Engineering Capstone	4
	CSC Elective	4
	Humanities Elective	4
		Total 16