

	15	14	13	12	11	10	9	8	7	6	5	4	3	2	1	0
ADD ⁺	0001				DR			SR1			0	00		SR2		
ADD ⁺	0001				DR			SR1			1	imm5				
AND ⁺	0101				DR			SR1			0	00		SR2		
AND ⁺	0101				DR			SR1			1	imm5				
BR	0000				n	z	p	PCoffset9								
JMP	1100				000			BaseR			000000					
JSR	0100				1	PCoffset11										
JSRR	0100				0	00		BaseR			000000					
LD ⁺	0010				DR			PCoffset9								
LDI ⁺	1010				DR			PCoffset9								
LDR ⁺	0110				DR			BaseR			offset6					
LEA ⁺	1110				DR			PCoffset9								
NOT ⁺	1001				DR			SR			111111					
RET	1100				000			111			000000					
RTI	1000				000000000000											
ST	0011				SR			PCoffset9								
STI	1011				SR			PCoffset9								
STR	0111				SR			BaseR			offset6					
TRAP	1111				0000			trapvect8								
reserved	1101															

Figure A.2 Format of the entire LC-3 instruction set. **Note:** + indicates instructions that modify condition codes