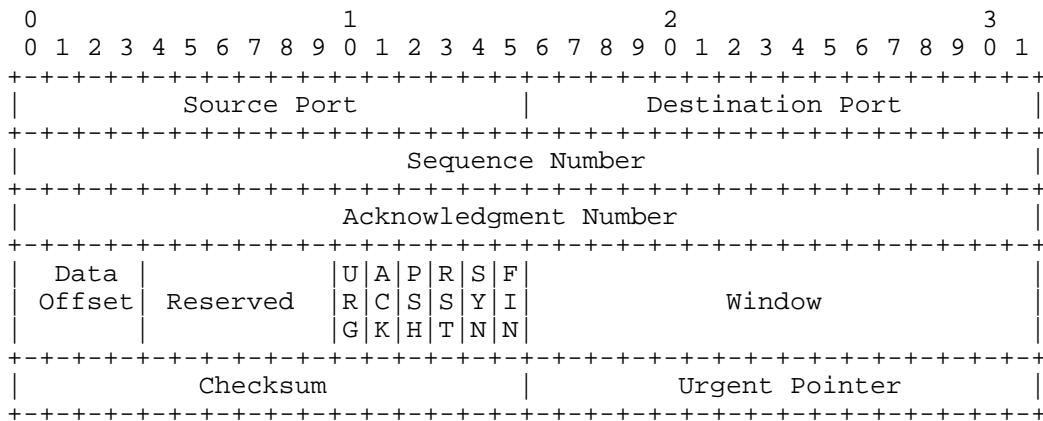


ICS 212 Program Structure

TCP Header Format



TCP Header Format

Note that one tick mark represents one bit position.

Source Port: 16 bits

The source port number.

Destination Port: 16 bits

The destination port number.

Sequence Number: 32 bits

Acknowledgment Number: 32 bits

Data Offset: 4 bits

The number of 32 bit words in the TCP Header.

Reserved: 6 bits

Reserved for future use. Must be zero.

Control Bits: 6 bits (from left to right):

URG: Urgent Pointer field significant
ACK: Acknowledgment field significant
PSH: Push Function
RST: Reset the connection
SYN: Synchronize sequence numbers
FIN: No more data from sender

Window: 16 bits

Must be zero.

Checksum: 16 bits

Must be ffff.

Urgent Pointer: 16 bits

Must be zero.