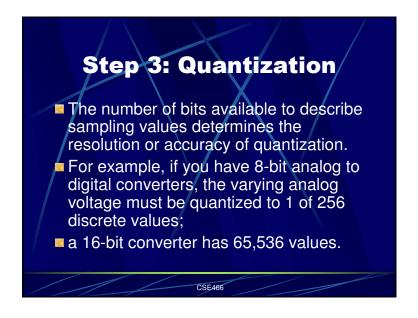
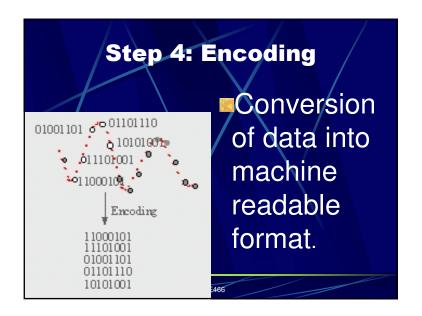


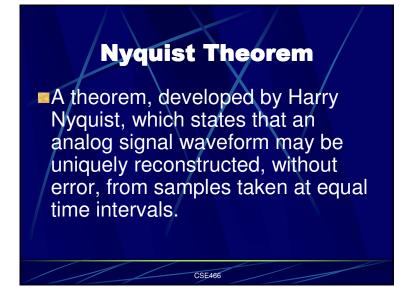
## Step 3: Quantization The difference between a quantized representation and an original analog signal is called the *quantization noise*. The more bits for quantization of a signal, the more closely the original signal is reproduced.

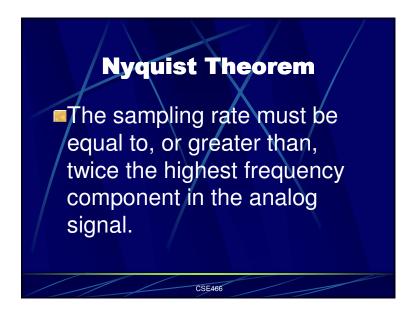


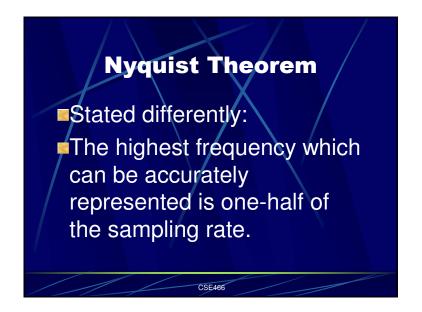












## Sampling an analog signal can introduce ERROR. ERROR is the difference between a computed, estimated, or measured value and the true, specified, or theoretically correct value.

