



### Course Description

#### Legend

| Course Title | [A – B – C] | Course #: | Prereq.: |
|--------------|-------------|-----------|----------|
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**A:** Theoretical hrs

**B:** Practical hrs

**C:** Credit hrs

### Third: Specialized requirements (109 hours)

#### A. Compulsory requirements (100 hours)

| Communication System Principles [3 – 0 – 3]   | Course #:0906404 | Prereq.: 0904300 |
|---|------------------|------------------|
| Review of Fourier transform and filters. Amplitude modulation (AM, DSB, SSB, VSB). Angle modulation (FM, PM). Sampling, Quantization, PCM, DPCM, DM. Multiplexing. Line coding. Baseband channel and ISI. Digital modulation (PSK, ASK, FSK, and M-ary). Power spectra of digital signals. Synchronization. |                  |                  |