TE4341 - Digital Logic and Computer Design

**TE 4341** Digital Logic and Computer Design (3 semester credit hours) Boolean algebra and logic circuits; synchronous sequential circuits; gate level design of ALSU, registers, and memory unit; register transfer operations; design of data path and control unit for a small computer; Input-Output interface. Credit cannot be received for both courses, (*CS 4341* or *TE 4341*) and (*CE 3320* or *EE 3320*). Prerequisites: (*CE 2310* or *EE 2310*) or (*CS 3340* or *SE 3340* or *TE 3340*) and *PHYS 2326*. Corequisite: (*CS 4141* or *TE 4141*). (Same as *CS 4341*) (3-0) S