

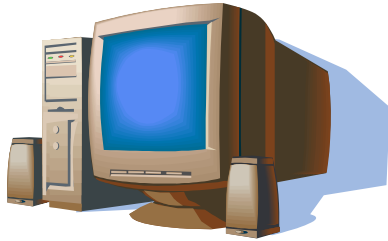
# **NEC 304**

## **Intro to Electronics**

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# Welcome!

- Engineering
  - Designing, building and testing systems
  - Fast-moving, practical
- This semester: computers
  - Learn how computers represent information
  - How computers perform computations
  - Understand how hardware and software work together
- Impress your friends and family!



# Electrical and Computer Engineering

- Computer Engineering
  - Hardware system design
  - Software design and development
- Electrical Engineering
  - Communications
  - Power and electromagnetic systems
  - Semiconductor devices and circuits
- Why do you want to be an engineer?



# Engineers in Popular Culture



**Doc Brown**  
*Flux Capacitor*



**Dr. Spock**  
*Time warp, other stuff*



**Dr. Myles Dyson**  
*Skynet*