

## ECE 481 Attendance Quiz (October 16, 2008)

List products of ECE that involve safety or risk.

----- cars (stability, cruise control, braking, etc.) (73)	- safety systems (1)
----- power (generation, distribution, etc.) (61)	- roller coasters (1)
----- transportation (planes, trains, boats, etc.) (49)	- radiation safety (1)
----- medical or health care equipment (47)	- personal weaponry (including Tasers) (1)
----- computers (including computer security) (30)	- on-line banking (1)
----- electronics (including power supplies) (29)	- nuclear weapons (1)
----- water and sewer (including waste treatment) (17)	- monitoring systems (1)
----- appliances (including cooking) (17)	- fitness equipment (1)
----- space (satellites, flight, exploration, etc.) (16)	- electric fence for pets (1)
----- communications (wired, wireless, cellular, etc.) (16)	- computer network infrastructure (including Internet) (1)
----- traffic control (lights, etc.) (15)	- cabling (1)
----- in-building power (home wiring, lighting, etc.) (15)	- HVAC (1)
----- military (offense and defense) (13)	
----- fire safety systems (including smoke detectors) (12)	
----- security systems (9)	
----- manufacturing (including automation and PLC) and distribution (9)	
----- architecture, building design, and construction (8)	
----- basic infrastructure (dams, bridges, roads, etc.) (6)	
----- navigation (including GPS) (5)	
----- meters, sensors, and instrumentation (5)	
----- elevators and escalators (5)	
----- control systems (5)	
----- robotics (4)	
----- pollution control and environmental safety (4)	
----- nuclear power (4)	
----- entertainment (televisions, music players, etc.) (4)	
----- national security (3)	
----- heavy and light machinery (including farm equipment, power tools) (3)	
----- emergency communication (911, etc.) (3)	
----- batteries (including chargers) (3)	
----- ATM (3)	
----- submarines (2)	
----- police, fire, and ambulance systems (2)	
----- chemical storage systems (2)	
- weather forecasting (1)	
- video games (1)	