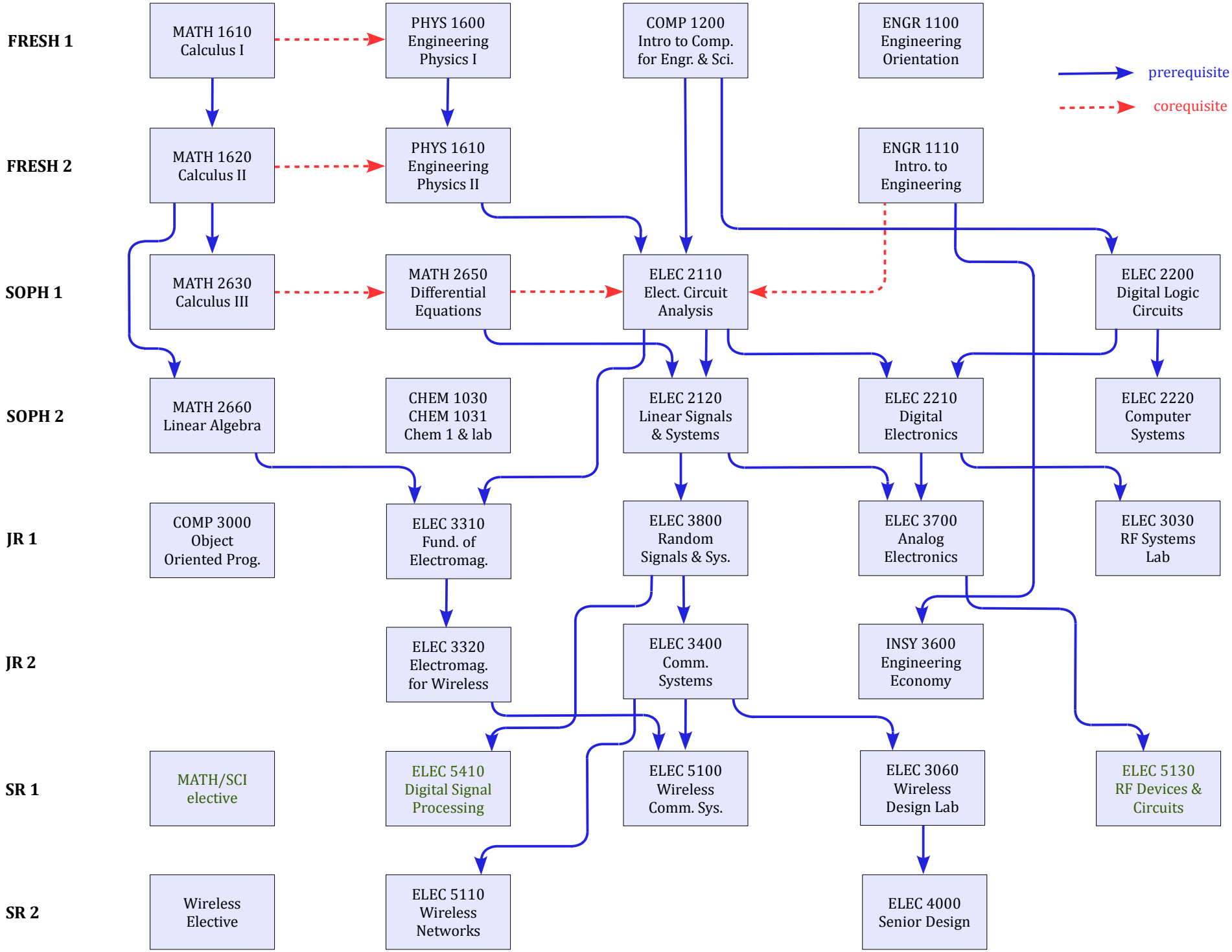WIRE (hardware) Prerequisite Structure