

BS in Electrical Engineering

Electrical Engineering Major Requirements

J CMP SC 1002	Introduction To Computing Tools: Matlab Skills	1
J E ENGR 2320	Introduction to Electronic Circuits	3
J E ENGR 2300	Introduction to Electrical Networks	3
J E ENGR 2330	Electrical and Electronic Circuits Laboratory	3
J E ENGR 2600	Introduction to Digital Logic and Computer Design	3
J E ENGR 3300	Engineering Electro Magnetic Principles	3
J E ENGR 3310	Electronics Laboratory	3
J E ENGR 3320	Power, Energy and Polyphase Circuits	3
J E ENGR 3510	Signals and Systems	3
J E ENGR 4350	Electrical Energy Laboratory	3
J E ENGR 4410/J M ENGR 4310	Control Systems I	3
J E ENGR 4980	Electrical Engineering Design Projects	3
J E ENGR 4990	Electrical Engineering Senior Seminar ¹	3
J E MATH 3260	Probability and Statistics for Engineering	3
J M ENGR 3200	Thermodynamics	3
Electrical Engineering Electives 3000-4990		12
Total Hours		52 55

¹ Course pending Faculty Senate approval.

Sign-offs from other departments affected by this proposal

None

Rationale Adding a new course on personal and professional development to prepare graduates entering the electrical engineering profession.