

**B.S ELECTRICAL ENGINEERING CURRICULUM (Adopted/Official as of July 2020)**

**FRESHMAN YEAR**

1ST SEMESTER			2ND SEMESTER		
OREN 0100	Orientation I	1	OREN 0101	Orientation II	1
ENGL 0101	English Composition*	3	ENGL 0102	English Composition*	3
MATH 0207	Calculus I	4	MATH 0208	Calculus II	4
EENG 0192	Freshman Engr. Des.	3	EENG 0210	Python Programming	3
CHEM 0231	General Chemistry	4	PHYS 0310	General Physics I	3
CHEM 0233	General Chemistry Lab	1	PHYS 0313	General Physics I Lab	1
	Physical Education	1		Physical Education	1
	Semester credits	17		Semester credits	16

**SOPHOMORE YEAR**

1ST SEMESTER			2ND SEMESTER		
EENG 0221	Linear Net. & Circ. I	3	EENG 0322	Linear Net. & Circ. II	3
EENG 0221L	Circuits I Lab	1	EENG 0322L	Circuits II Lab	1
MATH 0209	Calculus III	4	ENGL 0203***	Technical Writing*	3
HIST 0103	SBS elective**	3	HIST 0104	SBS elective**	3
PHYS 0311	General Physics II	3	CSCI 0229	C++ Programming	3
PHYS 0314	General Physics II Lab	1	EENG 0260	Intro. to Logic Circ.	3
	HFA* elective (music/arts)	2	EENG 0260L	Intro. to Logic Circ. Lab	1
	Semester credits	17		Semester credits	17

**JUNIOR YEAR**

1ST SEMESTER			2ND SEMESTER		
EENG 0315	Electromag. Theory & Appl.	3	MATH 0461	Engineering Math	3
MENG 0237	Engr. Prob. & Stat.	3	COEG 0305	Fund Cyber Security Engineering	3
EENG 0225	Diff. Eq. & Linear Alg.	4	EENG 0323	Signals & Systems	3
EENG 0325	Electronics I	3	EENG 0390	Engineering Ethics*	3
EENG 0325L	Electronics I Lab	1	EENG 0330	Electronics II	3
EENG 0360	Microprocessors	3	EENG 0330L	Electronics II Lab	1
	Semester credits	17		Semester credits	16

**SENIOR YEAR**

1ST SEMESTER			2ND SEMESTER		
EENG 0470	Senior Design I	2	EENG 0441	EIT Review	0
EENG 0431	Linear Control Systems	3	EENG 0471	Senior Design II	2
EENG 0431L	Linear Control Systems Lab	1	EENG 0402	Fund. of Energy & Power Systems	3
EENG 0400	Microelectronics	3	EENG 0424L	Senior Electrical Lab	1
EENG 0401	Communcation Theory	3		Science Elective	3
	SBS elective**	3		SBS elective**	3
			MENG 0429	Engineering Economics	2
	Semester credits	15		Semester credits	14

\* HFA - Humanities & Fine Arts

\*\* SBS - Social & Behavioral Sciences

\*\*\* Can be supplanted with ENGL 0204