

B.S. in Electrical Engineering

2024-2025

with a Minor in Theatrical Engineering

Freshmen

Fall	Course #	Course Name	Credits
ENGL	101	College Composition	3
UNIV	101	City-University Life	3
EE	101	Circuit Analysis I	3
EE	103	Circuit Analysis Laboratory I	1
MATH	190	Calculus I (Investigate Mathematics)	4
TE	101	Intro to Theatrical Engr (Discover Tech)	3
Total			17

Spring	Course #	Course Name	Credits
COMM	101	Oral Communications	3
EE	102	Circuit Analysis II	3
EE	104	Circuit Analysis Laboratory II	1
ET	204	Programming for Engineering Tech	3
MATH	210	Calculus II	4
THEA	230	Intro to Theatre (Apprec and Apply Arts)	3
Total			17

Sophomore

Fall	Course #	Course Name	Credits
EE	221	Electronics I	4
MATH	230	Linear Algebra	3
ME	101	Statics	3
PHYS	201	Fundamentals of Physics I	3
PHYS	103	Physics Laboratory I	1
PROD	124	Fundamentals of Design and Drawing	3
Total			17

Spring	Course #	Course Name	Credits
EE	222	Electronics II	4
MATH	300	Calculus III	4
ME	102	Dynamics	3
PHYS	202	Fundamentals of Physics II	3
PHYS	104	Physics Laboratory II	1
PROD	227	Lighting I	3
Total			18

Junior

Fall	Course #	Course Name	Credits
CHEM	101	General Chemistry I (Inv Science)	3
CHEM	103	General Chemistry Laboratory I	1
EE	331	Electrical Power I	4
EE	351	Digital Electronics I	3
MATH	310	Differential Equations	3
PROD	229	Audio Design I	2
Total			16

Spring	Course #	Course Name	Credits
EE	332	Electrical Power II	4
EE	352	Microprocessors I	3
EE	375	Signals and Systems	4
MATH	330	Mathematical Statistics	3
PROD	226	Scene Design I	3
Total			17

Senior

Fall	Course #	Course Name	Credits
EE	4xx	Technical Elective	4
EE	4xx	Technical Elective	4
TE	401	Prof Practice in Theatrical Engineering I	3
ET	405	Fund of Engineering Examination I	0
PROD	100	Technical Practicum I	2
Total			13

Spring	Course #	Course Name	Credits
EE	4xx	Technical Elective	4
EE	4xx	Technical Elective	4
TE	402	Prof Practice in Theatrical Engineering II	3
ET	406	Fund of Engineering Examination II	0
PROD	101	Technical Practicum II	2
Total			13

Summer or Distance Learning

Course#	Course Name	Credits	Course#	Course Name	Credits
THEA	225	Theatre History I (Explore the World)	Core	_____	Core Choice: Understand People
THEA	226	Theatre History II (Explore the World)	Core	_____	Core Choice: Understand People
Core	_____	Core Choice: Interpret Creative Works	Core	_____	Core Choice: Succeed in Business
Total					18

Grand Total

146