Electrical Engineering

FIRST YEAR

	FALL SEMESTER (16 credits)	Credits		SPRING SEMESTER (17 credits)	Credits
			ENGR-1200	Engineering Graphics & CAD	
			OR	OR	
			ENGR-1400	Engineering Communications	1
CSCI-1100	Computer Science I	4			
ECSE-1010	Introduction to ECSE	4	MATH-1020	Calculus II	4
MATH-1010	Calculus I	4	PHYS-1100	Physics I	4
IHSS-####	Hum., Arts or Soc. Sci. Elective	4	ENGR-2350	Embedded Control	4
				Science Elective	4

SECOND YEAR

	FALL SEMESTER (16 credits)	Credits		SPRING SEMESTER (15 credits)	Credits
ECSE-2610	Computer Comp. & Operations	4	ECSE-2010	Electric Circuits	4
MATH-2400	Intro. to Differential Equations	4	ECSE-2500	Engineering Probability	3
PHYS-1200	Physics II	4	MATH-2010	Multivariable Calc & Matrix Algebra	4
	Hum., Arts or Soc. Sci. Elective	4		Hum., Arts or Soc. Sci. Elective	4

Information Sessions
Webinars
Panel/social with current Grad Students

THIRD YEAR

	SUMMER ARCH SEMESTER (16-17 credits)	Credits		FALL OR SPRING (16 credits)	Credits
ECSE-2110	Electrical Energy Systems	3	ECSE-2050	Intro. to Electronics	4
ENGR-2050	Introduction to Eng. Design	4	ECSE-2100	Fields and Waves I	4
STSS-4100	Prof Devt- Tech Issues & Solutions	2	ECSE-2410	Signals and Systems	3
	Hum., Arts or Soc. Sci. Elective	4	ECSE-2900	ECSE Enrichment Seminar	1
	Free Elective	3 or 4		Math/Science Elective	4
	Optional ARCH Summer Research	***1***			

Attend events – Panels/socials
Meet with designated ECSE Research Advisor to discuss research
Develop plan of study
Application submission

ARCH AWAY SEMESTER

Research Rotation or Internship

FOURTH YEAR

	FALL SEMESTER (16-17 credits)	Credits	SUMMER	SPRING SEMESTER (13-19 credits)	Credits
ECSE-2210	Microelectronics Tech	3	Summer Research Rotation	Restricted Elective	3
ECSE-4900	Multidisc. Capstone Design	3	Summer Activities	Free Elective	3 or 4
ENGR-4010	Prof Development - Leadership	1	Study Camp	Free Elective	3 or 4
	Lab Elective	3	Internship	Free Elective (if needed)	3 or 4
	Restricted Elective	3	Summer Student Symposium	Hum., Arts or Soc. Sci. Elective	4
	Technical Elective	3 or 4			
				B.S. Degree received - May	
	Attend events		Summer Assessment (August)	Attend events	
	Graduate Experience Social			Graduate Experience Social	
	Research	***2***		***Research***	***3***
	Spring Admits determined			Fall Admits determined	

Official Graduate Status - Ph.D.

Fifth Year

FALL SEMESTER	Credits	SPRING SEMESTER	Credits
Research	3	Research	3
Course work	9	Course work	9

Sixth Year

FALL SEMESTER	Credits	SPRING SEMESTER	Credits
Research	6	Research	6
Course work	6	Course work	6

Seventh Year

FALL SEMESTER	Credits	SPRING SEMESTER	Credits
Research	6	Research	12
Course work	6	Course work	0

Sample PhD timeline

Total Dissertation Credits:	36
Total Course Credits:	36
Overall Credits:	72

*PhD credits must be a total of 72, but do not have to be exactly shown as above (See below for additional details)

Two thirds of total credit hours (excluding thesis credits) at the 6000-level
No more than 15 4000-level credits
A minimum of 12 and a maximum of 36 dissertation thesis credits
One Math elective
No more than 15 transfer credits
No more than three credits of Independent Study
No 1000- or 2000- level courses may be applied towards the degree