# 2017-2018 Electrical Engineering BSE 4-year Flow Chart HONORS

1 <sup>st</sup> Year		2 <sup>nd</sup> Year		3 <sup>rd</sup> Year		4 <sup>th</sup> Year	
FALL	SPRING	FALL	SPRING	FALL	SPRING	FALL	SPRING
MAT 265 (3) CHM 114 (4) FSE 100 (2) HON 171 (3) CSE 100 (3) ASU 101-EEE (1	MAT 266 (3) PHY 121 (3) PHY 122 (1) EEE 120 (3) ENG 105 (3) HON 272/273 (3)	MAT 267 (3) MAT 274/275 (3) PHY 131 (3) PHY 132 (1) EEE 202 (4) Pre/co MAT 274/ 275; PHY 131/132	MAT 342/343 (3) EEE 203 (3) Prereq 202; pre/ co -req MAT 342/343 EEE 241 (3) Pre-req: MAT 274/ 275, PHY 131/132, MAT 267; Pre or co-req EEE 202 PHY 241 (3) SB (3)	EEE 350 (3) Pre/co-req 203 EEE 334 (4) Prereq 202 Area Pathway Course (4) EEE 230 (3)	Area Pathway course (4) Area Pathway Course (4) Area Pathway course (4) ECN 211/212 (3)	EEE 488 (3) Prereq English; EEE 241, 334, 350 and 3 Pathway courses Tech Elect (3) Tech Elect (3) 300/400 level Bio, Chm, Phy, Mat or Engr (3) 300+ HU/SB (3)	EEE 489 (3) Tech Elect (3) Tech Elect (3) Tech Elect (3) 300+ HU/SB (3) or TE Prerequisite Pre or co-requisite
(16)	(16)	(14)	(15)	(14)	(15)	(15)	(15)

**NOTE:** 4 Area Pathway courses and 15 hours of Technical Elective credits are required for the program. Students can take additional Pathway courses and EEE 498 Special Topics courses to satisfy Technical Elective credits. With department approval, a maximum of 4 out-of-department credits can be taken to satisfy a Technical Elective (see Advising Office for list of approved classes).

= example 18 hrs lower division with HON 171+172

= example 18 hrs upper division with 2 courses outside EE and 488+489 taken for Thesis

## AREA PATHWAYS (need 4 pathway classes) TECHNICAL ELECTIVE AREAS OF EMPHASIS (Need 15 credits in technical electives)

<b>EEE 304</b> [prereq EEE 203]	Comm, Sig Processing & Controls	EEE 404 (S), 407 (F,S), 455 (F,S), 459 (F,S), 480 (F,S), 481(F,S)
<b>EEE 335</b> [prereq EEE 334]	Electronic Circuits	EEE 425 (F, S), 433 (F, S)
<b>EEE 341</b> [prereq EEE 203, EEE 241]	Electromagnetics	EEE 443 (S), 445 (F), 448 (F)
<b>EEE 352</b> [prereq CHM 114, EEE 241, PHY 241]	Physical Electronics and Photonics	EEE 434 (F), 435 (F), 436 (F,S), 437 (S), 439 (F), 465 (S)
<b>EEE 360</b> [prereq EEE 202; pre/co req EEE 241]	Power Systems	EEE 460 (S), 463 (F), 470 (F), 471 (S), 472 (N), 473 (N)
<b>EEE 333</b> [prereq EEE 202]	Computer Engineering	EEE 404 (S)
		() indicates typical semester offered: F=Fall, S=Spring, N=Not regularly

## UNIVERSITY GENERAL STUDIES REQUIREMENTS (HU/SB)

### Humanities/Social Behavioral Studies (15 credits)

Humanities (6)	Social Behavioral (6)
1	1
2	2.ECN 211/212

Upper Division HU or SB (3)

1.\_\_\_\_

\*LC Literacy and Critical Inquiry (6) – Met with EEE 488 and EEE 489

### Awareness Areas (can be covered in the 5 HU/SB classes) Cultural Diversity \_\_\_\_\_ Global Awareness \_\_\_\_\_ Historical Awareness