#  2019-2020 Electrical Engineering BSE/EPES 4-year Flow Chart

# Concentration in Electrical Power and Energy Systems

**NOTE:** 4 Area Pathway courses and 15 hours of Technical Electives 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). \* 9 hours of Technical Electives in the Power area are required for the concentration.

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

**EEE 304** [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)

**EEE 335** [prereq EEE 334] Electronic Circuits EEE 425 (F, S), 433 (F, S)

**EEE 341** [prereq EEE 203, EEE 241] Electromagnetics EEE 443 (S), 445 (F), 448 (F)

**EEE 352** [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)

**EEE 360** [prereq EEE 202; pre/co req EEE 241] Power Systems EEE 460 (S), 463 (F), 470 (F), 471 (S), 472 (N), 473 (N)

**EEE 333** [prereq EEE 120; 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) Awareness Areas (can be covered in the 5 HU/SB classes)**

Humanities (6) Social Behavioral (6) Upper Division HU or SB (3) Cultural Diversity \_\_\_\_\_\_

1.\_\_\_\_\_\_\_ 1.\_\_\_\_\_\_\_\_\_ 1.\_\_\_\_\_\_\_\_ Global Awareness\_\_\_\_\_\_

2.\_\_\_\_\_\_\_ 2.ECN 211/212 Historical Awareness\_\_\_\_\_\_

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