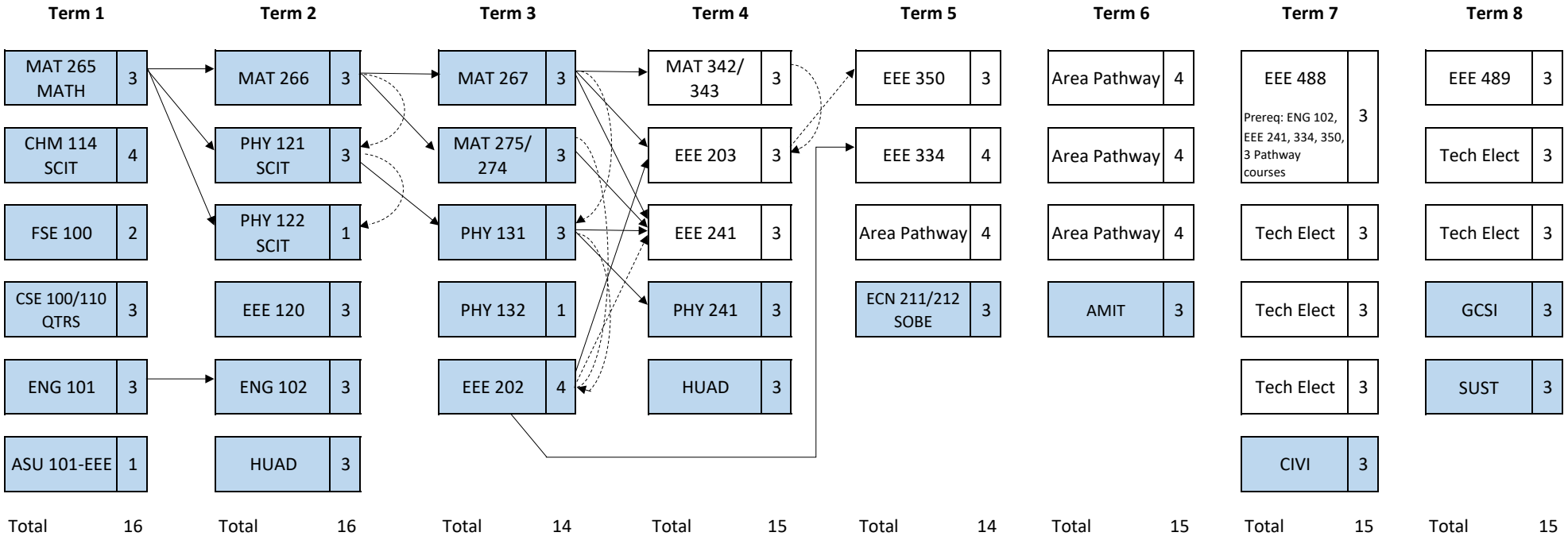
2025-2026 Electrical Engineering BSE 4-year Flow Chart

General Studies Gold



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 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 your advisor for the list of approved classes).

AREA PATHWAYS (Need 4 Pathway classes)		**Technical Elective Areas of Emphasis (Need 15 credits in technical electives)**	
EEE 304	(pre-req EEE 203)	Comm, Signal Processing and Controls	EEE 404 (S), EEE 405 (F,S), EEE 407 (F,S), EEE 455 (F,S), EEE 459 (F,S), EEE 480 (F), EEE 481 (S)
EEE 335	(pre-req EEE 334)	Electronic Circuits	EEE 425 (F,S), EEE 433 (F,S)
EEE 341	(pre-req EEE 203, EEE 241)	Electromagnetics	EEE 443 (S), EEE 445 (F)
EEE 352	(pre-req CHM 114, EEE 241, PHY 241)	Physical Electronics and Photonics	EEE 434 (F), EEE 435 (F,S), EEE 436 (F,S), EEE 437 (S), EEE 439 (S), EEE 465 (F,S)
EEE 360	(pre-req EEE 202; pre/co-req EEE 241)	Power Systems	EEE 460 (S), EEE 463 (F), EEE 465 (F,S), EEE 470 (F), EEE 471 (S), EEE 472 (N), EEE 473 (N)
EEE 333	(pre-req EEE 120, EEE 202)	Computer Engineering	EEE 404 (S), EEE 419 (F,S)
EEE 394	(pre-req MAT 275, MAT 343/342)	Quantum Engineering	EEE 498 Quantum Optics/Quantum Info

( ) indicates typical semester offered: F=Fall, S=Spring, N=Not regularly

UNIVERSITY GENERAL STUDIES REQUIREMENTS GOLD (SEE ABOVE - some categories are met by specific required courses)

SOBE - Social and Behavorial Sciences (3 credits)
SCIT - Scientific Thinking in Natural Sciences (8 credits)
QTRS - Quantitative Reasoning (3 credits)
MATH - Mathematics (3 credits)
HUAD - Humanities, Arts, and Design (6 credits)
AMIT - American Institutions (3 credits)
CIVI - Governances and Civic Engagement (3 credits)
GCSI - Global Communities, Societies, and Individuals (3 credits)
SUST - Sustainability (3 credits)