

Bachelor of Science Degree

Electrical Power Engineering Technology (EPET) based on 2024-2025 catalog

First Year		Second Year		Third Year		Fourth Year	
First Semester	Second Semester	Third Semester	Fourth Semester	Fifth Semester	Sixth Semester	Seventh Semester	Eighth Semester
FALL	SPRING	FALL	SPRING	FALL	SPRING	FALL	SPRING
ELET 1400 4 major Circuit Theory I & Lab P: enrolled or taken MATH 2413	ELET 1401 4 major Circuit Theory II & Lab P: Min of C- in ELET 1400	ELET 2301/2101 4 major Poly-Phase Circuits & Transformers & Lab FALL ONLY P: Min of C- in ELET 1401	ELET 2305/2105 4 major Semiconductor Devices & Circuits & Lab P: C- in ELET 1401 & PHYS 1302/1102 taken or enrolled in ELET 2105	ELET 3301 3 major Linear Systems Analysis P: Min of C- in MATH 2414 & enrolled or taken ELET 2305	ELET 4303/4103 4 major Power Distribution & Transmission SPRING ONLY P: Min of C- in ELET 3307	ELET 4317 3 major Electrical Systems Safety & Protection FALL ONLY P: Min of C- in ELET 4303	ELET 4319 3 major Electrical Power Systems & Industry Practices SPRING ONLY P: ELET 3307
MATH 2413 4 MATH Calculus I P: Min of C- in MATH 2312 or satisfactory score on placement exam	MATH 2414 4 MATH Calculus II P: Min of C- in MATH 2413	ELET 3307/3107 4 major Electrical Machines FALL ONLY P: Enrolled or credit in ELET 2301 & MATH 2413 or Consent of Instructor	ELET 2303/2103 4 major Digital Systems & Lab P: Credit for or enrolled in ELET 1401 or ELET 2307	ELET 3405 4 major Microprocessor Architecture P: Min of C- in ELET 2300 & 2303	ELET 3312/3112 4 major PLC's & Motor Control & Lab SPRING ONLY P: Min of C- in ELET 3307	ELET 4305 3 Senior Design In EPET P: EPET major, ELET 3307 & taken or enrolled ELET 4317	ELET 4105 1 Senior Design Lab P: ELET 4305 & EPET major
ENGL 1301 3 Comm First Year Writing I P: app score on TSI	ENGL 1302 3 Comm First Year Writing II P: ENGL 1301 or equivalent	ELET 3300 3 Math/reason Applied Math in ET or MATH 3321 Engineering Math P: C- in MATH 2414	ELET 2300 3 math Introduction To C++ Programming P: MATH 2312	HIST 1302 3 Hist U.S. since 1877 P: None	TLIM 3363 3 wid Technical Communication P: ENGL 1302 with C or better	ELET 4326/4126 4 major Power Converter Circuits & Lab P: Min of C- in ELET 2305 & 3301	ELET ELEC 3 major Approved Elective
PHYS 1301/1101 4 NS College Physics I & Lab P: MATH 2312 or equiv	PHYS 1302/1102 4 NS College Physics II & Lab P: PHYS 1301	HIST 1301 3 Hist U.S. to 1877 P: None	GOVT 2305 3 POLS US Government P: None	GOVT 2306 3 POLS US & Texas Const & Politics P: None	MECT 1365 3 Elements of Materials & Processes P: None	TLIM 3340 3 Organizational Leadership and Supervision or HDCS 3300 P: Enrolled or completed TLIM 3363	MECT elec 3 See advisor
		3 Lang, Phil & Culture Choose from core approved list	3 Creative Arts Choose from core approved list	3 Social & Beh Science Choose from core approved list	ELET ELEC 3 major Approved Elective	MECT 4188 1 Ethics in Engineering Technology P: Sr in ET	FREE ELEC 3 Free Elective
15	15	17	17	16	17	14	13
Total credit hours required =						124	

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124

ELET Approved Electives

- ELET 4302 P: Min of C- in ELET 3301 for EPET students
- ELET 4304 P: Min of C- in ELET 3301
- ELET 4310 P: ELET 3307
- ELET 4356 P: ELET 2300 & JR

- Major courses
- Core courses
- Departmental requirements

Elective courses not listed by number must be approved by faculty member

Courses required for Degree are based on catalog year student declares major, please verify this is the correct course sequence.