

# Bachelor of Science Degree

## Electrical Power Engineering Technology (EPTE)

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	
ENGL 1303   3   <b>Math</b> <b>First Year Writing I</b> P: score of 240 on TASP writing test or equivalent	ENGL 1304   3   <b>Math</b> <b>First Year Writing II</b> P: ENGL 1303 or equivalent	HIST 1376   3   <b>Math</b> The US Before 1877 P: None	HIST 1378   3   <b>Math</b> The US Since 1877 P: None	TELS 3340   3   <b>Major</b> <b>Organizational Leadership and Supervision</b> P: ENGL 1304	TELS 3363   3   <b>WID</b> <b>Technical Communication</b> P: ENGL 1303 with C or better	Visual & Performing Arts Choose from core approved list	<b>Humanities</b> Choose from core approved list	
MATH 1330   3   <b>Math</b> <b>Precalculus</b> P: credit for or placement out of MATH 1310**	MATH 1431   4   <b>MATH</b> <b>Calculus I</b> P: MATH 1330	MATH 1432   4   <b>MATH</b> <b>Calculus II</b> P: MATH 1431	ELET 2300   3   <b>Major</b> <b>Introduction To C++ Programming</b> P: enrolled or taken MATH 1330 or equivalents	CIS 2334   3   <b>Major</b> <b>Information Systems Applications</b> P: ITEC 1301, ELET 2300 or equivalent	TMTH 3360   3   <b>Major</b> <b>Applied Technical Statistics</b> P: ITEC 1300** and 6 hrs math ** will accept ELET 2300	ELET 4317   3   <b>major</b> <b>Electrical Systems Safety &amp; Protection</b> FALL ONLY P: ELET 3307	ELET 4305   3   <b>major</b> <b>Project Management &amp; Economic Consideration</b> SPRING ONLY P: ELET 3307	
MECT 1364   3   <b>Major</b> <b>Materials &amp; Processes I</b> P: None	PHYS 1301/1101   4   <b>NS</b> <b>Introduction to General Physics I &amp; Lab</b> P: MATH 1330 or Equiv	PHYS 1302/1102   4   <b>NS</b> <b>Introduction to General Physics II &amp; Lab</b> P: PHYS 1301	ELET 2305/2105   4   <b>major</b> <b>Semiconductor Devices &amp; Circuits &amp; Lab</b> P: ELET 1401 or 2307, enrolled completed PHYS 1302 & enrolled ELET 2105	ELET 2301/2101   4   <b>major</b> <b>Poly-phase Circuits &amp; Transformers &amp; Lab</b> FALL ONLY P: ELET 1401 & MATH 1330 or equivalent	ELET 3312/3112   4   <b>major</b> <b>PLC's &amp; Motor Control &amp; Lab</b> SPRING ONLY P: ELET 3307	ELET 4326/4126   4   <b>major</b> <b>Power Converter Circuits &amp; Lab</b> FALL ONLY P: ELET 2305 & 3301	ELET 4319   3   <b>major</b> <b>Electrical Power System &amp; Industry Practices</b> SPRING ONLY P: ELET 4308	
POLS 1336   3   <b>Major</b> <b>U.S. &amp; Texas Constitutions &amp; Politics</b> P: NONE	ELET 1400   4   <b>major</b> <b>Circuit Theory I &amp; Lab</b> P: enrolled or taken MATH 1431	ELET 1401   4   <b>major</b> <b>Circuit Theory II &amp; Lab</b> P: ELET 1400	ELET 2303/2103   4   <b>major</b> <b>Digital Systems &amp; Lab</b> P: ELET 1401 & enrolled ELET 2103	ELET 3307/3107   4   <b>major</b> <b>Electrical Machines</b> FALL ONLY P: Enrolled or completed ELET 2301 & MATH 1431 or Consent of Instructor	ELET 4303   3   <b>major</b> <b>Power Distibution &amp; Transportation</b> SPRING ONLY P: ELET 3307	ELET ELEC   3   <b>major</b> <b>Approved Elective</b> Choose from approved list	ELET ELEC   3   <b>major</b> <b>Approved Elective</b> Choose from approved list	
<b>Social Sciences</b> Choose from core approved list				ELET 3301   3   <b>major</b> <b>Linear Systems Analysis</b> P: MATH 1432 & enrolled or completed ELET 2305	ELET 3405   4   <b>major</b> <b>Microprocessor Architecture</b> P: ELET 2300 & 2303	POLS 1337   3   <b>Major</b> <b>U.S. Government: Congress, President, &amp; Courts</b> P: NONE	FREE ELEC   3   <b>Major</b> <b>Free Elective</b>	
<b>15</b>	<b>15</b>	<b>15</b>	<b>14</b>	<b>17</b>	<b>17</b>	<b>16</b>	<b>15</b>	
Total credit hours required =							<b>124</b>	

**ELET Approved Electives**

ELET 4304 P: ELET 3301  
 ELET 4311 SPRING P: ELET 3307  
 ELET 4310 FALL P: ELET 3307

- Major courses
- Major courses requiring C- or better
- Core courses
- Departmental requirements

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

**\*\*Students will be expected to place out of MATH 1310 by either Math Placement Exam, CLEP or have taken MATH 1310**