Bachelor of Science Degree
Computer Engineering Technology (CET) Based on the 2023-2024 catalog

First Year

First Semester — FALL

ELET 1400 4 major	
Circuit Theory I & Lab	
P: enrolled or taken MATH 2413	

MATH 2413 4 **MATH**	
Calculus I	
P: min C- in MATH 2312 or satisfactory score on placement exam	

ENGL 1301 3 **Comm**	
First Year Writing I	
P: app score on TSI	

PHYS 1301/1101 4 **NS**	
College Physics I & Lab	
P: MATH 2312 or equiv	

15

Second Semester — SPRING

ELET 1401 4 major	
Circuit Theory II & Lab	
P: Min of C- in ELET 1400	

MATH 2414 4 **MATH**	
Calculus II	
P: Min C- in MATH 2413	

ENGL 1302 3 Comm	
First Year Writing I	
P: ENGL 1301 or equivalent	

PHYS 1302/1102 4 **NS**	
College Physics II & Lab	
P: PHYS 1301	

15

Second Year

Third Semester — FALL

ELET 2303/2103 4 **major**	
Digital Systems & Lab	
P: Credit for or enrolled in ELET 1401 or ELET 2307	

ELET 3300 3 Math/reason	
Applied Math in ET or	
MATH 3321 Engineering Math or P: C- in MATH 2414	
MATH 3307 Statical Apps	
P: MATH 1351 or MATH 1324	

HIST 1301 3 **Hist**	
The U.S. to 1877	
P: None	

GOVT 2306 3 **POLS**	
US & Texas Const & Politics	
P: None	

CHEM 1305 3	
Foundations of Chemistry I	
P: enrolled or completed MATH 1314 or 1332	

16

Fourth Semester — SPRING

ELET 2305/2105 4 **major**	
Semiconductor Devices & Circuits & Lab	
P: C- in ELET 1401 & PHYS 1302/1102 taken or enrolled in ELET 2105	

ELET 2300 3 Math/reason	
Introduction To C++ Programming	
P: MATH 2312	

HIST 1302 3 **Hist**	
The U.S. to 1877	
P: None	

GOVT 2305 3 **POLS**	
US Government	
P: None	

CORE 3 SS	
Social & Behav Sciences	
Choose from core approved list	

16

Third Year

Fifth Semester — FALL

ELET 3301 3 major	
Linear Systems Analysis	
P: Min of C- in MATH 2414 & enrolled or taken ELET 2305	

ELET 3403 4 major	
Sensor Applications	
P: Min of C- in ELET 2305 & taken or enrolled in ELET 3301	

ELET 3405 4 **major**	
Microprocessor Architecture	
P: Min of C- in ELET 2300 & 2303	

TECH 3366 3	
Applied Numerical Methods	
P: ELET 2300 & MATH 2413 or equivalents	

TLIM 3363 3 **WID**	
Technical Communication	
P: ENGL 1302 with C or better	

17

Sixth Semester — SPRING

ELET 3402 4 major	
Communication Circuits	
P: Min of C- in ELET 3301	

ELET 3425 4 **major**	
Embedded Sysytems	
P: Min of C- in ELET 3405 & enrolled or taken ELET 3403	

MECT 3341 3	
Computer Aided Drafting I or MECT elec	
P: MATH 2312 & ELET 2300 or equivalents	

TLIM 3340 3	
Organizational Leadership and Supervision or HDCS 3300	
P:Enrolled or completed TLIM 3363	

3	
Free Elective	

17

Fourth Year

Seventh Semester — FALL

ELET 4308 3 major	
Senior Project	
P: min of C- in ELET 3425, TLIM 3363, & Enrolled or taken ELET 3402	

ELET 4421 4 **major**	
Computer Networks	
P: Enrolled or completed ELET 3402	

CORE 3 **CA**	
Creative Arts	
Choose from core approved list	

ELET ELEC 3 **major**	
Approved Elective	
Choose from approved list	

ELET ELEC 3 **major**	
Approved Elective	
Choose from approved list	

16

Eighth Semester — SPRING

ELET 4208 2 **major**	
Senior Project Lab	
P: ELET 4308	

MECT 4188 1	
Ethics in Engineering Technology	
P: Senior status	

CORE 3	
Lang, Phil, & Culture	
Choose from core approved list	

ELET ELEC 3 **major**	
Approved Elective	
Choose from approved list	

ELET ELEC 3 **major**	
Approved Elective	
Choose from approved list	

12

Total credit hours required = **124**

ELET Approved Electives

ELET	4300 P: ELET 3425	ELET	4327 P: ELET 3402	ELET	4353 P: C- in MATH 2414
ELET	4302 P: ELET 3402	ELET	4332 P: SR in Major	ELET	4354 P: ELET 2300 & 3301
ELET	4309 P: ELET 3425	ELET	4350 P: TLIM 3363 or WID	ELET	4355 P: ELET 2300 & 3301
ELET	4315 P: C- in ELET 4302	ELET	4351 P: ELET 2300 & 3301	ELET	4356 P: ELET 2300 & JR
ELET	4325 P: ELET 4421	ELET	4352 P: ELET 2300	ELET	4360 P: TLIM 3363

Any 3000/4000 level ELET, ECE, COSC course not equivalent to any course on degree plan (maximum of 1 course)

Major courses requiring C- or better
Core courses
Departmental requirements

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