

Texas Tech University

Whitacre College of Engineering

Bachelor of Science in Electrical Engineering

Last Update:

June 2011

First Year

Fall			Spring		
	SPC Course	Hrs		SPC Course	Hrs
<input type="checkbox"/> MATH 1351 Calculus I	MATH 2413	4	<input type="checkbox"/> MATH 1352 Calculus II	MATH 2414	4
<input type="checkbox"/> ECE 1304 Intro Electrical & Comp. Engr		3	<input type="checkbox"/> ECE 1305 Intro to Engr. & Comp Program.		3
<input type="checkbox"/> ENGL 1301 Composition I	ENGL 1301	3	<input type="checkbox"/> ECE 2372 Mod. Dig. Syst. Des.	@ Tech	3
<input type="checkbox"/> POLS 1301 American Govt., Organization	GOVT 2301	3	<input type="checkbox"/> CHEM 1307 Principles of Chemistry I	CHEM 1411	4
<input type="checkbox"/> HIST 2300 American History to 1876	HIST 1301	3	<input type="checkbox"/> CHEM 1107	"	
	TOTAL	15	<input type="checkbox"/> ENGL 1302 Composition II	ENGL 1302	3
				TOTAL	16

Second Year

Fall			Spring		
	SPC Course	Hrs		SPC Course	Hrs
<input type="checkbox"/> MATH 2350 Calculus III	MATH 2315	3	<input type="checkbox"/> MATH 3350 Math for Engr. I	MATH 2320	3
<input type="checkbox"/> ECE 3302 Fund. Of Elect. Engr	ENGR 2305	3	<input type="checkbox"/> MATH 3342 (recommened) or IE 3341 Statistics	@ Tech	3
<input type="checkbox"/> ECE 3362 Dig. Dsgn. Using Micro.	@ Tech	3	<input type="checkbox"/> ECE 3311 Electronics I	@ Tech	3
<input type="checkbox"/> PHYS 1408 Physics I	PHYS 2425	4	<input type="checkbox"/> ECE 3331 Proj Lab I	@ Tech	3
<input type="checkbox"/> POLS 2302 American Govt., Functions	GOVT 2302	3	<input type="checkbox"/> ECE 3303 Linear Systems Analysis	@ Tech	3
	TOTAL	16	<input type="checkbox"/> HIST 2301 American History from 1876	HIST 1302	3
				TOTAL	18

Third Year

Fall			Spring		
	SPC Course	Hrs		SPC Course	Hrs
<input type="checkbox"/> ECE 3332 Proj Lab II	@ Tech	3	<input type="checkbox"/> ECE 3333 Proj Lab III	@ Tech	3
<input type="checkbox"/> ECE 3312 Electronics II	@ Tech	3	<input type="checkbox"/> ECE 3341 Electromag Theory I	@ Tech	3
<input type="checkbox"/> ECE 3323 Prin of Comm Systems	@ Tech	3	<input type="checkbox"/> ECE 3353 Feedback Control Sys	@ Tech	3
<input type="checkbox"/> PHYS 2401 Physics II	PHYS 2426	4	<input type="checkbox"/> MATH 3351 Higher Math for Engrs.	@ Tech	3
<input type="checkbox"/> Oral Communications Elective	SPCH 1315 or 1321	3	<input type="checkbox"/> ECE Jr./Sr. Elective	@ Tech	3
	TOTAL	16	<input type="checkbox"/> Humanities Elective	Choose from Core	3
				TOTAL	18

Fourth Year

Fall			Spring		
	SPC Course	Hrs		SPC Course	Hrs
<input type="checkbox"/> ECE 4333 Proj Lab IV	@ Tech	3	<input type="checkbox"/> ECE 4334 Proj Lab V (Internship)	@ Tech	3
<input type="checkbox"/> ECE 3342 Electromag Theory II	@ Tech	3	or ECE 4000-level elective		
<input type="checkbox"/> ECE Jr./Sr. Elective	@ Tech	3	<input type="checkbox"/> ECE Jr./Sr. Elective	@ Tech	3
<input type="checkbox"/> ECE Jr./Sr. Elective	@ Tech	3	<input type="checkbox"/> ECE Jr./Sr. Elective	@ Tech	3
<input type="checkbox"/> Individual or Group Behavior Elective*	SOCl 1301	3	<input type="checkbox"/> ECE Jr./Sr. Elective	@ Tech	3
IE 3301 is recommended (@ Tech)	TOTAL	15	<input type="checkbox"/> Visual and Performing Arts Elective*	ARTS 1303	3
				TOTAL	15

Substitution Options:

* Meets Multicultural Requirement. Other courses available

TTU Advisor Contact:

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<http://www.depts.ttu.edu/coe/>

SPC Advisor Contact:

Courses of "D" are unlikely to transfer to this major. Students are required to maintain a GPA of 2.75 or higher to take upper division coursework.

Transfer Check Sheets are intended as an advising tool and starting point for transfer research. Other options such as substitutions or specializations are not listed. We highly recommend working with an advisor (contact information listed above) and using the research resources available to you to fill the gaps and double check the information provided. Degree requirements are subject to change at any time.

Notes: