2016-2017 BS in Electrical Engineering and Physics Dual Degree Plan

Last	First	Middle	SMU Student ID

See University Curriculum requirements in the Undergraduate Catalog.

MAJOR

Courses	Hours	Semester & Year	Grade
EE 1350 – Introduction to Electrical Engineering[1]	3		
EE 2322 – Electronic Circuits I	3		
EE 2122 – EE Laboratory: Electronic Circuits I	1		
EE 2350 – Circuits Analysis I	3		
EE 2370 – Design & Analysis of Signals & Systems	3		
EE 2170 – EE Laboratory: Design & Analysis of Signals & Systems	1		
EE 2381 – Digital Computer Logic	3		
EE 2181 – EE Laboratory: Digital Computer Logic	1		
EE 3311 – Solid State Devices	3		
EE 3322 – Electronic Circuits II	3		
EE 3122 – EE Laboratory: Electronic Circuits II	1		
EE 3330 – Electromagnetic Field Waves	3		
EE 3352 – Fundamentals of Electric Power Engineering	3		
EE 3360 – Statistical Methods in EE	3		
EE 3372 – Introduction to Digital Signal Processing	3		
EE 3381 – Microprocessors	3		
EE 3181 – EE Laboratory: Microprocessors	1		
Advanced EE Elective[2]	3		
Advanced EE Elective[2]	3		
Advanced EE Elective[2]	3		
EE 4311 – Senior Design I	3		
EE 4312 – Senior Design II	3		
TOTAL	56		

SCIENCE

Courses	Hours	Semester & Year	Grade
CHEM 1303 – General Chemistry I	3		
PHYS 1105 – General Physics Laboratory	1		
PHYS 1303 – Introductory Mechanics	3		
PHYS 1304 – Introductory Electricity & Magnetism	3		
PHYS 3305 – Introduction to Modern Physics	3		
PHYS 3344 – Classical Mechanics	3		
PHYS 3374 – Thermodynamics and Statistical Mechanics	3		
PHYS 4211 – Laboratory Physics I	2		
PHYS 4321 – Methods of Theoretical Physics	3		
PHYS 5337 – Introduction to Solid State Physics	3		
PHYS 5382 – Introduction to Quantum Mechanics	3		
PHYS 5383 – Advanced Quantum Mechanics	3		
TOTAL	33		

MATHEMATICS

Courses	Hours	Semester & Year	Grade
MATH 1337 – Calculus with Analytic Geometry I	3		
MATH 1338 – Calculus with Analytic Geometry II	3		
MATH 2339 – Calculus with Analytic Geometry III	3		
MATH 2343 – Elementary Differential Equations	3		
MATH 3353 – Introduction to Linear Algebra	3		
TOTAL	15		

COMPUTER SCIENCE

Courses	Hours	Semester & Year	Grade
CSE 1341 or CSE 1342	3		
TOTAL	**3**		

Total TCH: _____ (Minimum 130)

GRADUATION CERTIFICATION:

_____
Advisor   **Date**

_____
Dept. Chair   **Date**

_____
Assistant Dean   **Date**

[1]Courses that are listed multiple times in the Degree Plan in different sections may satisfy multiple requirements, but their hours apply only once to the total TCH of the major.
[2]To be chosen from EE 5310, EE 5312, EE 5314, EE 5321, EE 5330, EE 5332, EE 5333, EE 5360, EE 5370, EE 5371, EE 5372, EE 5373, EE 5374, EE 5376, EE 5377, EE 5378, EE 5356, EE 5357, EE 5387, EE 5381, EE 5385 or CSE 5385