



**Bachelor of Science
2018-2019 Sample 4-Year Plan**

Taylor's University

**Major: Electrical Engineering
Total Degree Requirements: 130 credits**

Students are not limited to this plan; it is meant to be used as a guide for planning purposes in consultation with your advisor. The sample schedule is one possible path to completing your degree within four years. For official program requirements, please refer to the [Undergraduate Catalog](#).

First Year

Fall

Prefix + Number	Course Title	Prerequisites/Comments	College	Course	Credits
CSC 150	Intro to Computer Science I	p. MATH 102 or higher	Taylor's	CSCI 102 or CSCI 251	3
EE 101L	Intro to EE Lab		SDSU	F	1
ENGL 101	Composition I (SGR #1)	p. Placement	Taylor's	ENGL 101	3
GE 101	Introduction to Eng and Tech. Professions		Taylor's	ENGR 196	1
MATH 123	Calculus I (SGR #5)	p. Placement	Taylor's	MATH 171	4
PHYS 211/L	University Physics I and Lab (SGR #6)	co-req MATH 123	Taylor's	PHYS 211	4
Total Credit Hours					16

Spring

Prefix + Number	Course Title	Prerequisites/Comments	College	Course	Credits
EE 216	Linear Circuits I	p. MATH 123 (\geq C), co-req MATH 125	Taylor's	ELEC 201	3
EE 216L	Linear Circuits I Lab	p. MATH 123 (\geq C), co-req MATH 125	Taylor's	ELEC 207	1
MATH 125	Calculus II	p. MATH 123 (\geq C)	Taylor's	MATH 172	4
PHYS 213/L	University Physics II and Lab (SGR #6)	p. PHYS 211	Taylor's	PHYS 212	4
SGR #4	Arts & Humanities/Diversity (SGR #4)	See Notes	Taylor's		3
SPCM 101	Fundamentals of Speech (SGR #2)		Taylor's	SPCH 105	3
Total Credit Hours					18

Second Year

Fall

Prefix + Number	Course Title	Prerequisites/Comments	College	Course	Credits
CHEM 112/L	General Chemistry I and Lab	p. MATH 102 or higher	Taylor's	CHEM 105	4
EE 218	Linear Circuits II	p. EE 216 (\geq C), Co req MATH 321	Taylor's	ELEC 202	3
EE 218L	Linear Circuits II Lab	p. EE 216 (\geq C), Co req MATH 321	SDSU	F	1
MATH 225	Calculus III	p. Math 125 (\geq C)	Taylor's	MATH 271	4
MATH 321	Differential Equations	p. MATH 125 (\geq C)	Taylor's	MATH 353	3
SGR #3	Social Sciences/Diversity (SGR #3)	See Notes	Taylor's		3
Total Credit Hours					18

Spring

Prefix + Number	Course Title	Prerequisites/Comments	College	Course	Credits
EE 222	Energy Conversion	p. EE 218 (\geq C)	SDSU	S	3
EE 222L	Energy Conversion Lab	p. EE 218 (\geq C)	SDSU	S	1
EE 245	Digital Systems	p. CSC 150 (\geq C) and EE 216 (\geq C)	SDSU		3
EE 245L	Digital Systems Lab	p. CSC 150 (\geq C) and EE 216 (\geq C)	SDSU		1
EE 260	Electronic Materials	CHEM 112, PHYS 213 and EE 216 (\geq C)	SDSU	S	3
ENGL 277	Tech Writing in Engineering (SGR #1)	p. ENGL 101, GE 101	Taylor's	ENGL 102	3
MATH 331	Advanced Engineering Math	p. MATH 321	SDSU		3
Total Credit Hours					17

Information Subject to Change. This is not a contract.

p. = Course Prerequisite
Semester: F = Fall, S = Spring, SU = Summer



Third Year

Fall

Prefix + Number	Course Title	Prerequisites/Comments	Collage	Course	Credits
EE 316	Signals I	p. EE 222 (>= C)	SDSU	F	3
EE 320	Electronics I	p. EE 222(>= C)	SDSU	F	3
EE 320L	Electronics I Lab	p. EE 222(>= C)	SDSU	F	1
EE 345	Computer Organization	p. EE 245 (>= C)	SDSU	F	3
EE 360	Electronic Devices	p. EE 260 (>= C)	SDSU	F	3
STAT 381	Probability and Statistics	p. MATH 125	Taylors	STAT 261	3
Total Credit Hours					16

Spring

Prefix + Number	Course Title	Prerequisites/Comments	College	Course	Credits
EE 315	Linear Systems	p. EE 316	SDSU	S	3
EE 317	Signals II	p. EE 316	SDSU	S	3
EE 321	Electronics II	p. EE 320	SDSU	S	3
EE 321L	Electronics II Lab	p. EE 320	SDSU	S	1
EE 347	Micro System Design	p. EE 345	SDSU	S	3
EE 347L	Micro System Design Lab	p. EE 345	SDSU	S	1
SGR #3	Social Sciences/Diversity (SGR #3)	See Notes	Taylors		3
Total Credit Hours					17

Fourth Year

Fall

Prefix + Number	Course Title	Prerequisites/Comments	College	Course	Credits
EE 385	Electromagnetics	p. EE 222 (>= C), Math 225	SDSU	F	4
EE 422	Eng Econ and Management	Co-Req EE464	SDSU	F	2
EE 464	Senior Design Project I	p. ENGL 277, 317/321/347 and Labs, Co-Req EE422	SDSU	F	2
EE ELEC	EE ELECTIVE 400 level	SEE EE ELECTIVE LIST	SDSU		5
EE ELEC	EE ELECTIVE 400 level	SEE EE ELECTIVE LIST	SDSU		
EE ELEC	EE ELECTIVE 400 level	SEE EE ELECTIVE LIST	SDSU		
EE ELEC	EE ELECTIVE 400 level	SEE EE ELECTIVE LIST	SDSU		
EE ELEC	EE ELECTIVE 400 level	SEE EE ELECTIVE LIST	SDSU		
ME 314	Thermodynamics	p. MATH 125, PHYS 211	Taylors	MECH 200	3
Total Credit Hours			16		16

Spring

Prefix + Number	Course Title	Prerequisites/Comments	College	Course	Credits
EE 465	Senior Design Project II	p. EE 464	SDSU	S	2
EE ELEC	EE ELECTIVE 400 level	SEE EE ELECTIVE LIST	SDSU		7
EE ELEC	EE ELECTIVE 400 level	SEE EE ELECTIVE LIST	SDSU		
EE ELEC	EE ELECTIVE 400 level	SEE EE ELECTIVE LIST	SDSU		
EE ELEC	EE ELECTIVE 400 level	SEE EE ELECTIVE LIST	SDSU		
EE ELEC	EE ELECTIVE 400 level	SEE EE ELECTIVE LIST	SDSU		
EE ELEC	EE ELECTIVE 400 level	SEE EE ELECTIVE LIST	SDSU		
SGR #4	Arts & Humanities/Diversity (SGR #4)	See Notes	Taylors		3
Total Credit Hours					12

Comments/Notes

Students from all academic majors can pursue graduation with Fishback Honors College distinction. View the [Honors program requirements](#).

Taylors Credits: 65

SDSU Credits: 65



General Education Requirements for the System General Education Requirement 3 & 4:

System General Requirement #3 Social Sciences/Diversity Six Credits Required

Choose two classes (six credits) from the classes below and the classes must be from different departments. Choose any two Taylors classes from the list below:

- ECON 202 (Microeconomics) or ECON 203 (Macroeconomics)
- HIST 105 (US History to 1877) or HIST 106 (US History since 1877)
- POLS 101 (American Government)
- PSYC 101 (General Psychology)
- SOC 101 (Sociology I) or SOC 102 (Sociology II)

System General Requirement #4 Arts & Humanity/Diversity Six Credits Required

Choose two classes (six credits) from the classes below and the classes must be from different departments (unless two French or Spanish classes are taken). Choose any two Taylors classes from the list below:

- ENGL 202 (Literary Appreciation)
- ENGL 201 (Introduction to World Poetry) Or ENGL 200 (Introduction to American Literature)
- UCM00703U2 (French for Communication and Culture 1)
- UCM00803U2 (French for Communication and Culture 2)
- HIST 101 (World Civilizations I (to 1500)) or HIST 102 (World Civilizations (from 1500))
- COMM 101 (Introduction to Communication) or FILM 101 (Introduction to Film Studies)
- MUSC 103 (Introduction to Music)
- PHIL 101 (Introduction to Philosophy) or PHIL 203 (Introduction to Logic) or UCU60303U2 (Introduction to Philosophy)
- WREL 105 (World Religion)
- UCM00103U2 (Spanish for Communication and Culture 1)
- UCM00203U2 (Spanish for Communication and Culture 2)
- UCM60203U2 (Introduction to Acting) or THTR 101 (Foundation of Acting I)