EE 18-19 Catalog
Electrical Engineering Program

Freshman		Sophomore		Junior		Senior	
Fall [14 Cr]	**Spring [14 Cr]**	**Fall [16 Cr]**	**Spring [17 Cr]**	**Fall [17 Cr]**	**Spring [17 Cr]**	**Fall [14 Cr]**	**Spring [17 Cr]**
Seminar F S, Su Core US* 3 *Recommended: CLS-101 or COMX-111	Writing F S, Su Core W 3		F S, Su Core AHSD 3	F S, Su Core AHSD 3	F S, Su Core AHSD 3		F S, Su Core AHSD 3
Calc I F S, Su M-171 4	Calc II F S, Su M-172 4	Intro Lin. Algebra F S, Su M-221 3 Diff. Eq. F S, Su M-274 4	Multi Var Calc F S, Su M-273 4 Engr Data Analysis F S, Su EGEN-350 2	Linear Algebra F M-333 3 Signals F S EELE-308 3	Multi-D Design F S, Su EGEN-310 3 Controls F S EELE-321 3 Telecomm S EELE-445 3 1	ECE Design I F S EELE-488 1 1 Modern Control F EELE-422 3 Mobile Wireless F EELE-447 3	ECE Design II F S EELE-489 1 2 Prof Ethics S EELE-487 1 FE Exam F S EGEN-488 0
Mechanics F S, Su PHSX-220 3 1 Co-Requisite M-171 Calc I	EMag F S, Su PHSX-222 3 1 Co-Requisite M-172 Calc II	Mod/Thermo F Su PHSX-224 3 1	Chemistry F S, Su CHMY-141 3 1	DSP S EELE-477 3 1	Acoustic & Audio F, altE EELE-417 3 Materials F EELE-409 3	BioMEMS S EELE-418 3	
EE Fundamentals Lab F S EELE-101 2 1 Prerequisite: M-151 Pre-Calc		Circuits I F S EELE-201 3 1 Co-requisite: PHSX-222 Physics II Digital Logic F S, Su EELE-261 3 1	Circuits II F S, Su EELE-203 3 1	Electronics F S EELE-317 3 1 Micro Software F S EELE-371 3 1	Adv Analog S, altO EELE-411 3 Logic Design S, Su EELE-367 3 1 Micro Hardware S EELE-465 2 2	Microfabrication F EELE-407 2 1 VLSI F EELE-414 3 SoC FPGAs 1 F EELE-467 3 1	Digital Design S, altE EELE-461 3 SoC FPGAs 2 S EELE-468 3 1 Lasers S,altE EELE-484 3
	C Prog F S, Su CSCI-112 2 1			ElectroMagnetics F S EELE-334 3	Applied EMag S EELE-432 3 Energy Conversion S EELE-355 3 1	Electro Optics F EELE-482 2 1 Power F EELE-454 3	Optical Design S,altO EELE-481 3 Photovoltaics S EELE-408 2 1 Power Electronics S,altE EELE-451 2 1 Alt Energy S EELE-455 3
					Take: One AHSD Core Class EGEN 310 Two of {321, 355, 445} One EELE elective	Take: EELE 409 EELE 488 Two EELE Electives One non-EELE elective	Take: One AHSD Core Class EELE 487 & 489 EGEN 488 One of {321, 355, 445} One non-EELE elective One wildcard elective

Revised 2019 February 22 TjK
125 credits to earn BSEE including:
18 credits university Core electives (categories US, W, A, H, S, D)
18 credits professional electives: at least 9 EELE, at least 6 non-EELE, and at least 4 at 300-level or above.
Required courses include EELE321, EELE355, EELE445 (order selected through advising)
Solid box indicates required course. Dashed box indicates EELE elective course.