Table 2: EE-CpE curricula AND CS curriculum that is *starting in Fall 2016*

EE B.S. Curriculum			CpE B.S. Curriculum			CS B.S. Curriculum		
Number	**Course Title**	**Cr.**	**Number**	**Course Title**	**Cr.**	**Number**	**Course Title**	**Cr.**
MATH 156	Calculus I	4	MATH 156	Calculus I	4	CSCI-100	Intro to Computer Science	3
EECE 156	Math I Lab	1	EECE 156	Math I Lab	1		Non-technical Elective	3
EGPP 101	Intro. to Engineering	2	EGPP 101	Intro. to Engineering	2	EGPP 101	Intro. to Engineering	2
ENGW 104	Writing Literacy & Discourse	3	ENGW 104	Writing Literacy & Discourse	3	ENGW	English I	3
CHEM 003	Chemistry	4	CHEM 003	Chemistry	4		Science Lec A	4
CHEM 005	Chemistry Lab	1	CHEM 005	Chemistry Lab	1		Science Lab A	0
			PHED xxx	Physical Ed./ROTC	1			
	Total Credits Semester 1	*15*		*Total Credits Semester 1*	*16*		*Total Credits Semester 1*	*15*
MATH 157	Calculus II	4	MATH 157	Calculus II	4	MATH 156	Calculus I	4
EECE 157	Math II Lab	1	EECE 157	Math II Lab	1			
EGPP 102	Intro to Electrical Engineering and Computer Engineering	1	EGPP 102	Intro to Electrical Engineering and Computer Engineering	1	CSCI-211	UNIX Lab	1
ENGW 105	Reflective Writing Portfolio	3	ENGW 105	Reflective Writing Portfolio	3	ENGW	English II	3
PHYS 013	Physics Science and Eng. 1	3	PHYS 013	Physics Science and Eng. 1	3	SLMC 101	Principles of Speech	3
PHYS 023	Physics Science and Eng. 1 Lab	1	PHYS 023	Physics Science and Eng. 1 Lab	1	CSCI 135	Computer Science I	4
PHED xxx	Physical Ed./ROTC	1	PHED xxx	Physical Ed./ROTC	1			
	Total Credits Semester 2	*14*		*Total Credits Semester 2*	*14*		*Total Credits Semester 2*	*15*
MATH 158	Calculus III	4	MATH 158	Calculus III	4	MATH 157	Calculus II	4
EECE 158	Math III Lab	1	EECE 158	Math III Lab	1			
PHYS 014	Physics Science and Eng. 1	3	PHYS 014	Physics Science and Eng. II	3		Science Lec B (1)	4
PHYS 024	Physics Science and Eng. 1 Lab	1	PHYS 024	Physics Science and Eng. II Lab	1		Science Lab B (1)	0
CSCI 135	Computer Science I	4	CSCI 135	Computer Science I	4	CSCI 136	Computer Science II	3
	Social Science Elective	3		African American Studies Elective	3	CSCI 201	Computer Organization I	3
	Total Credits Semester 3	*16*		*Total Credits Semester 3*	*16*		*Total Credits Semester 3*	*17*
EECE 160	Engineering Mathematics	3	EECE 160	Engineering Mathematics	3	MATH 181	Discrete Math	3
EECE 260	Engineering Programming & Applications	3	CSCI 136	Computer Science II	3	CSCI 354	Computer Science III	3
EECE 203	Fundamentals of Circuit Theory	4	EECE 203	Fundamentals of Circuit Theory	4	CSCI 375	Software Engineering	3
EECE 209	Fundamentals of Circuit Theory Lab	1	EECE 209	Fundamentals of Circuit Theory Lab	1	CSCI 202	Computer Organization II	3
EECE 212	Fundamentals of Digital Systems	4	EECE 212	Fundamentals of Digital Systems	4		Science Lec B (2)	4
EECE 218	Fundamentals of Digital Systems Lab	1	EECE 218	Fundamentals of Digital Systems Lab	1		Science Lab B (2)	0
	Total Credits Semester 4	*16*		*Total Credits Semester 4*	*16*		*Total Credits Semester 4*	*16*

	EE B.S. Curriculum			CpE B.S. Curriculum			CS B.S. Curriculum	
Number	**Course Title**	**Cr.**	**Number**	**Course Title**	**Cr.**	**Number**	**Course Title**	**Cr.**
EECE 305	Fundamentals of Electromagnetics	3	EECE 305	Fundamentals of Electromagnetics	3	CSCI 341	Theory of Computation	3
EECE 306	Fundamentals of Electromagnetics Lab	1	EECE 306	Fundamentals of Electromagnetics L.	1	CSCI 401	Operating Systems	3
EECE 309	Fund. of Electronics and SS Devices	3	EECE 309	Fund. of Electronics and SS Devices	3	CSCI 470	Fundamentals of Alg.	3
EECE 312	Fundamentals of Electronics and SS Devices Lab	1	EECE 312	Fundamentals of Electronics and SS Devices Lab	1	CSCI 450	Data Communications and Network Programming	3
EECE 331	Probability and Random Variables	3	EECE 331	Probability and Random Variables	3	CSCI 453	Intro to Cybersecurity	3
	Humanities Elective	3	EECE 406	Advanced Digital Systems	3			
PHED xxx	Physical Ed./ROTC	1	EECE 412	Advanced Digital Systems Lab	1			
	Total Credits Semester 5	*15*		*Total Credits Semester 5*	*15*		*Total Credits Semester 5*	*15*
EECE 333	Fundamentals of Signals and Systems	3	EECE 333	Fundamentals of Signals and Systems	3	CSCI 350	Structure of Programming Languages	3
EECE 325	Fundamentals of Energy Systems	3		Computer Engineering Elective	3		Technical Elective	3
EECE 326	Fundamentals of Energy Systems Lab	1	MATH 181	Discrete Structures	3	CSCI 211	Database Systems	3
	Engineering Science Elective	3	CSCI 201	Computer Organization I	3	MATH 180	Intro to Linear Algebra	3
EECE 320	Research in Undergraduate Experience	1	EECE 320	Research in Undergraduate Experience	1	ENGL 009	Technical Writing	3
	African American Studies Elective	3	ECON 001	Principles of Economics	3			
	Total Credits Semester 6	*14*		*Total Credits Semester 6*	*16*		*Total Credits Semester 6*	*15*
	Electrical Engineering Elective	3	EECE 416	Microcomputer Design	3	CSCI 363	Large Scale Programming	3
	Electrical Engineering Elective	3		Computer Engineering Elective	3		Applied Data Science	3
	Electrical Engineering Elective	3		Electrical Engineering Elective	3		Technical Elective	3
EECE 401	Senior Design I	3	EECE 401	Senior Design I	3	CSCI 491	Senior Project I	3
	Free Elective	3		Humanities Elective	3		Technical Elective	3
	Total Credits Semester 7	*15*		*Total Credits Semester 7*	*16*		*Total Credits Semester 7*	*15*
	Electrical Engineering Elective	3		Computer Engineering Elective	3		Technical Elective	3
	Electrical Engineering Elective	3		Electrical Engineering Elective	3		Technical Elective	3
	Electrical Engineering Elective	3		Social Science Elective	3		Non-technical Elective	3
EECE 404	Senior Design II	3	EECE 404	Senior Design II	3	CSCI 492	Senior Project II	3
ECON 001	Principles of Economics	3					Non-technical Elective	3
	Total Credits Semester 8	*15*		*Total Credits Semester 8*	*12*		*Total Credits Semester 8*	*15*