Elec	trical Engineering (EE) B.S. Curriculum	Computer Engineering (CpE) B.S. Curriculum			Computer Science (CS) B.S. Curriculum			
	Semester/Courses	Crs		Semester/Courses	Crs		Semester/Courses	Crs
Number	Semester 1: Course Title	Crs	Number	Semester 1: Course Title	Crs	Number	Semester 1: Course Title	Crs
MATH-156	Calculus I	4	MATH-156	Calculus I	4	CSCI-100	Intro. To Computer Science	3
EGPP-101	Intro. to Engineering	2	EGPP-101	Intro. to Engineering	2	EGPP101	Intro. to Engineering	2
CSCI-135	Computer Science I	4	CSCI-135	Computer Science I	4		Non-technical Elective	3
CHEM-003	General Chemistry I Lecture	4	CHEM-003	General Chemistry I Lecture	4		Science Lecture A	4
CHEM-005	General Chemistry I Lab	1	CHEM-005	General Chemistry I Lab	1		Science Lab A	0
						ENGW-104	Writing Lit & Disc	3
	Total Credits Semester 1	15		Total Credits Semester 1	15		Total Credits Semester 1	15
Number	Semester 2: Course Title	Crs	Number	Semester 2: Course Title	Crs	Number	Semester 2: Course Title	Crs
MATH-157	Calculus II	4	MATH-157	Calculus II	4	MATH-156	Calculus I	4
EECE-202	Intro. to EE and CpE	1	EECE-202	Intro. to EE and CpE	1	CSCI-211	UNIX Lab	1
EECE-260	Engineering Programming and Appl	3	CSCI-136	Computer Science II	3	ENGW-105	Reflective Writing Portfolio	3
PHYS-013	Physics I (Sci. and Engr.)	3	PHYS-013	Physics I (Sci. and Engr.)	3	SLMC-101	Principles of Speech	3
PHYS-023	Physics I Lab (Sci. and Engr.)	1	PHYS-023	Physics I Lab (Sci. and Engr.)	1	CSCI-135	Computer Science I	4
ENGW-104	Writing Lit & Disc	3	MATH-181	Discrete Structures	3			
	Total Credits Semester 2	15		Total Credits Semester 2	15		Total Credits Semester 2	15
Number	Semester 3: Course Title	Crs	Number	Semester 3: Course Title	Crs	Number	Semester 3: Course Title	Crs
MATH-158	Calculus III	4	MATH-158	Calculus III	4	MATH-157	Calculus II	4
PHYS-014	Physics II (Sci. and Engr.)	3	PHYS-014	Physics II (Sci. and Engr.)	3		Science Lecture B (1)	4
PHYS-024	Physics II Lab (Sci. and Engr.)	1	PHYS-024	Physics II Lab (Sci. and Engr.)	1		Science Lab B (1)	0
EECE-212	Fundamentals of Dig. Systems	4	EECE-212	Fundamentals of Dig. Systems	4	CSCI-136	Computer Science II	3
EECE-218	Fundamentals of Dig. Systems Lab	1	EECE-218	Fundamentals of Dig. Systems Lab	1	CSCI-201	Computer Organization I	3
MATH-159	Differential Equations	4	MATH-159	Differential Equations	4	MATH-181	Discrete Structures	3
	Total Credits Semester 3	17		Total Credits Semester 3	17		Total Credits Semester 3	17
Number	Semester 4: Course Title	Crs	Number	Semester 4: Course Title	Crs	Number	Semester 4: Course Title	Crs
EECE-160	Engineering Mathematics	4	EECE-160	Engineering Mathematics	4	MATH-180	Intro. To Linear Algebra	3
EECE-203	Fundamentals of Circuit Theory	4	EECE-203	Fundamentals of Circuit Theory	4	CSCI-354	Computer Science III	3
EECE-209	Fundamentals of Circuit Theory Lab	1	EECE-209	Fundamentals of Circuit Theory Lab	1	CSCI-363	Large Scale Programming	3
ENGW-105	Reflective Writing Portfolio	3	EECE-406	Advanced Digital Systems	3	CSCI-202	Computer Organization II	3
	Social Science Elective	3	EECE-412	Advanced Digital Systems Lab	1		Science Lecture B (2)	4
							Science Lab B (2)	0

Electrical Engineering (EE) B.S. Curriculum			Computer Engineering (CpE) B.S. Curriculum			Computer Science (CS) B.S. Curriculum		
Number	Semester 5: Course Title	Crs	Number	Semester 5: Course Title	Crs	Number	Semester 5: Course Title	Crs
EECE-305	Fundamentals of Electromagnetics	4	EECE-305	Fundamentals of Electromagnetics	4	CSCI-341	Theory of Computation	3
EECE-306	Fundamentals of Electromagnetics Lab	1	EECE-306	Fundamentals of Electromagnetics Lab	1	CSCI-375	Software Engineering	3
EECE-309	Fund of Electronics and SS Devices	4	EECE-309	Fund of Electronics and SS Devices	4	CSCI-470	Fundamentals of Algorithms	3
EECE-312	Fund of Electronics and SS Devices Lab	1	EECE-312	Fund of Electronics and SS Devices Lab	1		Technical Elective	3
EECE-331	Probability and Statistics for Eng. Appl	3	EECE-331	Probability and Statistics for Eng. Appl	3	MATH-180	Probability and Statistics I	3
	Humanities Elective	3	ENGW-104	Writing Lit & Disc	3			
	Total Credits Semester 5	16		Total Credits Semester 5	16		Total Credits Semester 5	15
Number	Semester 6: Course Title	Crs	Number	Semester 6: Course Title	Crs	Number	Semester 6: Course Title	Crs
EECE-333	Fundamentals of Signals and Systems	4	EECE-333	Fundamental of Signals and Systems	4	CSCI-350	Structure of Programming	3
EECE-325	Fundamentals of Energy Systems	4	EECE-416	Microcomputer Design	3		Technical Elective	3
EECE-326	Fundamentals of Energy Systems Lab	1	EECE-410	Intro to Computer Networks	3	CSCI-211	Database Systems	3
	African American Studies Elective	3		African American Studies Elective	3	CSCI-376	Operation Research	3
	Math/Science Elective	3	ENGW-105	Reflective Writing Portfolio	3	ENGL-009	Technical Writing	3
	Total Credits Semester 6	15		Total Credits Semester 6	16		Total Credits Semester 6	15
	Total Credits Selliester 0	13		Total Oredita delliester o	10		Total Credits Semester 0	
Number	Semester 7: Course Title	Crs	Number	Semester 7: Course Title	Crs	Number	Semester 7: Course Title	Crs
Number	70000 0700000 0000000		Number CSCI-201			Number CSCI-401		
Number	Semester 7: Course Title	Crs		Semester 7: Course Title	Crs		Semester 7: Course Title	Crs
Number	Semester 7: Course Title EE Elective	Crs 3	CSCI-201	Semester 7: Course Title Computer Organization I	Crs 3	CSCI-401	Semester 7: Course Title Operating Systems	Crs 3
Number EECE-401	Semester 7: Course Title EE Elective EE Elective	3 3	CSCI-201 EECE-420	Semester 7: Course Title Computer Organization I Introduction to VLSI Design	3 3	CSCI-401	Semester 7: Course Title Operating Systems Modeling and Simulation	3 3
	Semester 7: Course Title EE Elective EE Elective EE Elective	3 3 3	CSCI-201 EECE-420 EECE-424	Semester 7: Course Title Computer Organization I Introduction to VLSI Design VLSI Design Lab	3 3 1	CSCI-401 CSCI-410	Semester 7: Course Title Operating Systems Modeling and Simulation Technical Elective	3 3 3
	Semester 7: Course Title EE Elective EE Elective EE Elective	3 3 3	CSCI-201 EECE-420 EECE-424	Semester 7: Course Title Computer Organization I Introduction to VLSI Design VLSI Design Lab Senior Design I	3 3 1 3	CSCI-401 CSCI-410	Semester 7: Course Title Operating Systems Modeling and Simulation Technical Elective Senior Project I	3 3 3 3
	Semester 7: Course Title EE Elective EE Elective EE Elective Senior Design I	3 3 3 3	CSCI-201 EECE-420 EECE-424	Semester 7: Course Title Computer Organization I Introduction to VLSI Design VLSI Design Lab Senior Design I Social Science Elective	3 3 1 3 3 3	CSCI-401 CSCI-410	Semester 7: Course Title Operating Systems Modeling and Simulation Technical Elective Senior Project I Non-technical Elective	3 3 3 3 3
EECE-401	Semester 7: Course Title EE Elective EE Elective EE Elective Senior Design I Total Credits Semester 7	3 3 3 3 12	CSCI-201 EECE-420 EECE-424 EECE-401	Semester 7: Course Title Computer Organization I Introduction to VLSI Design VLSI Design Lab Senior Design I Social Science Elective Total Credits Semester 7	3 3 1 3 3 13	CSCI-401 CSCI-410 CSCI-491	Semester 7: Course Title Operating Systems Modeling and Simulation Technical Elective Senior Project I Non-technical Elective Total Credits Semester 7	3 3 3 3 15
EECE-401	Semester 7: Course Title EE Elective EE Elective EE Elective Senior Design I Total Credits Semester 7 Semester 8: Course Title	3 3 3 3 12 Crs	CSCI-201 EECE-420 EECE-424 EECE-401	Semester 7: Course Title Computer Organization I Introduction to VLSI Design VLSI Design Lab Senior Design I Social Science Elective Total Credits Semester 7 Semester 8: Course Title	3 3 1 3 3 Crs	CSCI-401 CSCI-410 CSCI-491	Semester 7: Course Title Operating Systems Modeling and Simulation Technical Elective Senior Project I Non-technical Elective Total Credits Semester 7 Semester 8: Course Title	3 3 3 3 15 Crs
EECE-401	Semester 7: Course Title EE Elective EE Elective EE Elective Senior Design I Total Credits Semester 7 Semester 8: Course Title EE Elective	3 3 3 3 Crs 2 Crs 3	CSCI-201 EECE-420 EECE-424 EECE-401	Semester 7: Course Title Computer Organization I Introduction to VLSI Design VLSI Design Lab Senior Design I Social Science Elective Total Credits Semester 7 Semester 8: Course Title CpE Elective	3 3 1 3 3 Crs 3	CSCI-401 CSCI-410 CSCI-491	Semester 7: Course Title Operating Systems Modeling and Simulation Technical Elective Senior Project I Non-technical Elective Total Credits Semester 7 Semester 8: Course Title Systems Mgt. Analysis	3 3 3 3 15 Crs 3
EECE-401	Semester 7: Course Title EE Elective EE Elective EE Elective Senior Design I Total Credits Semester 7 Semester 8: Course Title EE Elective EE/CpE Elective	3 3 3 3 12 Crs 3 3 3	CSCI-201 EECE-420 EECE-424 EECE-401	Semester 7: Course Title Computer Organization I Introduction to VLSI Design VLSI Design Lab Senior Design I Social Science Elective Total Credits Semester 7 Semester 8: Course Title CpE Elective Humanities Elective	Crs 3 3 1 3 13 Crs 3 3	CSCI-401 CSCI-410 CSCI-491	Semester 7: Course Title Operating Systems Modeling and Simulation Technical Elective Senior Project I Non-technical Elective Total Credits Semester 7 Semester 8: Course Title Systems Mgt. Analysis Technical Elective	3 3 3 3 15 Crs 3 3
EECE-401 Number	Semester 7: Course Title EE Elective EE Elective EE Elective Senior Design I Total Credits Semester 7 Semester 8: Course Title EE Elective EE/CpE Elective EE/CpE Elective	Crs 3 3 3 3 Crs 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3	CSCI-201 EECE-420 EECE-424 EECE-401 Number	Semester 7: Course Title Computer Organization I Introduction to VLSI Design VLSI Design Lab Senior Design I Social Science Elective Total Credits Semester 7 Semester 8: Course Title CpE Elective Humanities Elective Math/Science Elective	3 3 1 3 Crs 3 3 3 3 3	CSCI-401 CSCI-410 CSCI-491 Number CSCI-492	Semester 7: Course Title Operating Systems Modeling and Simulation Technical Elective Senior Project I Non-technical Elective Total Credits Semester 7 Semester 8: Course Title Systems Mgt. Analysis Technical Elective Non-Technical Elective	3 3 3 3 15 Crs 3 3 3 3
EECE-401 Number EECE-404	Semester 7: Course Title EE Elective EE Elective EE Elective Senior Design I Total Credits Semester 7 Semester 8: Course Title EE Elective EE/CpE Elective EE/CpE Elective Senior Design II	Crs 3 3 3 3 3 3 3 3 3 3 3 3 3 3	CSCI-201 EECE-420 EECE-424 EECE-401 Number	Semester 7: Course Title Computer Organization I Introduction to VLSI Design VLSI Design Lab Senior Design I Social Science Elective Total Credits Semester 7 Semester 8: Course Title CpE Elective Humanities Elective Math/Science Elective Senior Design II	Crs 3 3 1 3 13 Crs 3 3 3 3 3	CSCI-401 CSCI-410 CSCI-491 Number CSCI-492	Semester 7: Course Title Operating Systems Modeling and Simulation Technical Elective Senior Project I Non-technical Elective Total Credits Semester 7 Semester 8: Course Title Systems Mgt. Analysis Technical Elective Non-Technical Elective	3 3 3 3 15 Crs 3 3 3 3
Number EECE-404	Semester 7: Course Title EE Elective EE Elective Senior Design I Total Credits Semester 7 Semester 8: Course Title EE Elective EE/CpE Elective EE/CpE Elective Senior Design II Principles of Economics	Crs 3 3 3 3 3 3 3 3 3 3	CSCI-201 EECE-420 EECE-424 EECE-401 Number	Semester 7: Course Title Computer Organization I Introduction to VLSI Design VLSI Design Lab Senior Design I Social Science Elective Total Credits Semester 7 Semester 8: Course Title CpE Elective Humanities Elective Math/Science Elective Senior Design II Principles of Economics	Crs 3 3 1 3 13 Crs 3 3 3 3 3	CSCI-401 CSCI-410 CSCI-491 Number CSCI-492	Semester 7: Course Title Operating Systems Modeling and Simulation Technical Elective Senior Project I Non-technical Elective Total Credits Semester 7 Semester 8: Course Title Systems Mgt. Analysis Technical Elective Non-Technical Elective Senior Design II	3 3 3 3 15 Crs 3 3 3 3 3 3