

Model Program of Study – Computer Electronics

	Grade	English	Mathematics	Science	Social Sciences	Major Courses	Other courses
High School required and recommended courses	(4) During Grade 8, provide academic/career exploration and advising for student & parents – include introduction to program of study sequences						
	9	(1) English 9	(1) Algebra 1	(1) Physical Science	(1) History of US Citizenship & Gov't (1) Economics		(1) Physical Education
	10	(1) English 10	(1) Geometry	(1) Biology	(1) World Studies		(1) Health
	(4) Prior to grade 11, assess for college readiness; provide remediation and enhancements as appropriate						
	11	(1) English 11	(1) Algebra 2	(1) Chemistry	(1) US History 1	(5) Computer Repair and Networking	
	(4) At age 17, assess for all immunizations; remedy deficiencies						
	12	(1) English 12		(3) Physics		(5) Computer Repair and Networking	(1) Senior Seminar
	(4) During senior year, complete college selection process; After January, complete federal financial aid (FAFSA) Administer college placement exams						
College required and recommended courses	Year 1 Sem 1 16 cr.		(6) MAT 117 Electrical Mathematics I	(6) ELS 112/114 Basic Electricity/ Electronics (w/Lab)		(5) COE 114 Operating Systems MCP (6) DIB 115 Digital Basics	(6) PHE 124 Ergonomics/ Occupational Wellness
	Year 1 Sem 2 18 cr.	(6) ENG 111 English Composition	(6) MAT 127 Electrical Mathematics II		(6) Social Science Elective	(6) COE 122/123 Computer Fundamentals (w/Lab) (5) COE 125 Computer Networking Hardware	
	Year 2 Sem 1 16 cr.			(6) PHY 150 Physics		(5) COE 135 Network Administration (5) COE 214 Implementing and Managing Network Infrastructure (5) COE 215 Planning Network Infrastructure (6) MCP 211 Microcomputer Software	
	Year 2 Sem 2 18 cr.	(6) COM 221 Technical Communications			(6) Humanities Elective	(5) COE 224/225 Adv. Computer Electronics (w/Lab) (6) MCP 221 Microcomputer Interfacing	(6) Elective
This is a model; individual students should review required and recommended courses and modify as appropriate.			(1) Required high school courses			(2) Recommended career-related courses	
			(3) Other recommended high school courses			(4) Recommended assessments, advising, and preparation	
			(5) Career-related transitional courses (articulation, dual, or early college)				
			(6) Required college courses				