University of Hartford	2013-2014		Naugatuck Valley Comm Coll			Credits required:	129
Computer Engineering, B.S.Cmp.E.			Electronic Engineering Technology			Completed:	17
			68	72.00		remaining:	112
Draft by Ann Lankford 5-27-2014						% completed:	13%
Sem	**COURSE**	**TITLE**	**CRD**	**NVCC**		**CREDIT**	
sem 1	AUCA	All-Univ Curric - Arts	3				
sem 1	ES 101	ECT 1XX Electrical CAD & Fabric	1	EET*H104 Electrical CAD & Fab		1	
sem 1	ES 143	Engineering & Design	3				
sem 1	ES 220	Graphic Communication	2				
sem 1	M 144	Calculus I	4	MAT*H254 Calculus I		4	
sem 1	RPW 110	Rhetoric & Writing I	3	ENG*H101 Composition		3	
sem 2	AUCC	SOC 1XX Intro to Anthropology	3	ANT*H101 Introduction to Anthro		3	
sem 2	AUCW 180 or 212 Western Heritage		3				
sem 2	ES 115	Engr Computer Apps	3				
sem 2	M 145	Calculus II	4				
sem 2	PHY 112	Calculus Based Physics I	4				
sem 3	ECE 213	Electrical Circuits Analysis I	3				
sem 3	ECE 215	Circuits Lab Is Logic	1				
sem 3	ECE 231	Digital Systems Logic	3				
sem 3	ECE 232	Digital Laboratory	1				
sem 3	M 242	Differential Equations	3				
sem 3	PHY 113	Calculus based Physics II	4				
sem 4	AUCS 340	Ethics in the Profession	3				
sem 4	CS 114	Computer Programming I	4				
sem 4	ECE 214	Electrical Circuit Analysis II	3				
sem 4	ECE 216	Circuits Lab II	1				
sem 4	ECE 234	Digital Design Using CPLDS	3				
sem 4	ES 242	Engineering by Design	3				
sem 5	CS 115	Computer Programming II	4				
sem 5	ECE 332	Intro to Microprocessors	4				
sem 5	ECE 335	Computer Architecuture	3				
sem 5	ECE 361	Electronic Fundamentals	3				
sem 5	ECE 363	Electronics Lab	1				
sem 5	ES 216	Engineering Mechanics	3				
sem 6	CS 220	Data Structures	3				
sem 6	ECE 320	Prob Topics Computer Engr	3				
sem 6	ECE 336	Digital Devices Lab	3				
sem 6	ECE 362	Electronics Circuits	3				
sem 6	ECE 364	Electronics Lab II	1				
sem 6	ECE 382	Sensors & Data Acquis	3				
sem 6	ES 342	Engineering Practice	1				
sem 7	CH 110	Chemistry I	4				
sem 7	CS	Computer Science	3				
sem 7	ECE 482	ECE Capstone Des I	1	PSY*H111 General Psychology I		3	
sem 7	ECE	ECE Elective	3				
sem 7	ECE/CS	ECE/CS Elective	3				
sem 7	H/SS	PSY 101 Intro to Psych: Concepts	3				
sem 8	ECE 483	ECE Capstone Design II	3				
sem 8	CS	Computer Science	3	SOC*H101 Principles of Sociolo		3	
sem 8	ECE	ECE Elective	3				
sem 8	ECE/CS	ECE/CS Elective	3	**NVCC**		**CREDIT**	
sem 8	H/SS	SOC 110 Intro to Sociology	3	COM*H100 Introduction to Comm		3	
	Courses not counted towards Degree:			EET*H110 Electric Circuits I		4	
	Univ of Hartford Equivalent			EET*H114 Electric Circuits II		4	
		CMM 1XX Intro to Comm		EET*H126 Labview		2	

ECT 111	ECT 1XX Electric Circuits I	4	EET*H136 Electronics I	4	
ECT 121	ECT 1XX Electrical Circuits II	4	EET*H208 Applied Circuit Analys	4	ECT241 =EET 208+25 1
	ECT 1XX Labview		EET*H232 Electronics II	4	
ECT 231	ECT 1XX Electronics I	4	EET*H242 Fiber Optics		
ECT 241	ECT 2XX Applied Circuit Analysis	4	EET*H251 Electronic Instrument	3	ECT241 =EET 208+25 1
	ECT 2XX Electronics ll		EET*H252 Digital Electronics	4	
	ECT 2XX Electronic Instrumentat		EET*H253 Advanced Digital Electronics		
ECT 241	ECT 2XX Electronic Instrumentat		EET*H256 Microprocessors	4	
ECT 122	Intro to Dig Dev	4	EET*H268 Control Systems		
	ECT 2XX Advanced Digital Electr		EET*H294 Projects	2	
ECT 242	Micro Arch & Prog	4	ENG*H102 Literature and Comp	3	
	ECT 2XX Control Systems		MAT*H172 College Algebra	3	
			MAT*H185 Trigonometric Functi	3	
	RPW 1XX Literature & Composition		PHY*H121 General Physics I	4	
MTH 112	M 1XX College Algebra	3	PHY*H122 General Physics II	4	
	M 1XX Trigonometric Functions			55	
PHY 120	PHY 120 Algebra-Based Physics I	4			
PHY 121	PHY 121 Algebra-Based Physics I	4			
Total					

	26.4
SATISFACTORY ACADEMIC PROGRESS REQUIREMENTS	52.8

	GPA REQUIREMENTS	**CREDIT**	79.2
FR	0–31 credits—1.8	1	105.6
SO	32–65 credits—1.9	2	132
JR	66–99 credits—2.0	3	
SR	100 + credits—2.0	4	
		5	
	Note: 13.2 c per semester		

Computer Science Electives		
CS 351 Introduction to Artificial Intelligence [3]		
CS 355 Computer Networks [3]		
CS 360 Software Development [3]		
CS 362 UNIX Internals [3]		
CS 365 Principles of Database Systems [3]		
CS 371 Computer Graphics [3]		
CS 375 Internet Programming Concept [3]		
CS 451 Computer Operating Systems [3]		P
		P

Acceptable ECE Electives			P
ECE 334	Digital Computing for Eng	3	P
ECE 341	Discrete & Continuous Systems	3	P
ECE 351	Electromagnetic Theory	3	P
ECE 423	Communication Engineering	3	P
ECE 424	Communication Sys for Eng	3	P
ECE 442	Continuous Control Systems	3	P
ECE 521	Communication Theory	3	P
ECE 532	Embedded Microprocessors	3	P
ECE 540	DSP Hardware	3	P

EXCLUSIONS

BE	281
BE	381
ECE	210
ECE	360
ES	110
ES	116
ES	117
ES	210
ES	211
ES	262
ES	562
M	310
M	380
M	381W
PHY	340

ECE 565	Digital VLSI Design	3	P	
ECE 567	Analog VLSI Design	3	P	
ECE 572	Power Systems Analysis	3	P	
ECE 573	Power Electronics	3	P	
ECE 534	VHDL and Applications	3	P	
ECE 471	Electrical Engineering Machinery La	3	P	
ECE 473	Electrical Engineering Machinery	1	P	
ECE 543	Digital Control System	3	P	
ECE	ECE 300,400,500 level course	3	P	
ECE 493	ST:Electrical&Computer Engineer	1-3	P	w/ Advisor approval only
ECE 591	ST Spec Topics Electrical Eng	1-6	P	w/ Advisor approval only
ECE 592	ST Spec Topics Electrical Eng	1-8	P	w/ Advisor approval only
ES 300	Cooperative Education	1-3	P	w/ Advisor approval only
ES 400	Cooperative Education	1-3	P	w/ Advisor approval only
ES 293	Engineering Open Studies	1-6	P	w/ Advisor approval only
ES 294	Engineeering Open Studies	1-6	P	w/ Advisor approval only
ES 395	Engineeering Open Studies	1-6	P	w/ Advisor approval only
ES 395	ST:AutoCAD for Civil Engineers	3	P	w/ Advisor approval only
ES 396	Engineeering Open Studies	1-6	P	w/ Advisor approval only
ES 491	ST: Engineering Research	1-6	P	w/ Advisor approval only
ES 492	ST: Engineering Research	1-6	P	w/ Advisor approval only
ES 493	ST: Eng Research	1-6	P	w/ Advisor approval only
ES 494	ST: Engineering Research	1-6	P	w/ Advisor approval only
ES 495	ST: Engineering Research	1-6	P	w/ Advisor approval only
ES 496	ST: Engineering Research	1-6	P	w/ Advisor approval only
ES 497	Engineeering Open Studies	1-6		
ES 498	Engineeering Open Studies	1-6		
ES 591	ST Special Topics in Eng Science	1-6		