

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 Architecture	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 Comr	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 Analysis	4
	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 Instrumentation	3
	ECT 2XX Electronics II		EET*H252 Digital Electronics	4
	ECT 2XX Electronic Instrumentation		EET*H253 Advanced Digital Electronics	
ECT 241	ECT 2XX Electronic Instrumentation		EET*H256 Microprocessors	4
ECT 122	Intro to Dig Dev	4	EET*H268 Control Systems	
	ECT 2XX Advanced Digital Electronics		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 Functions	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				

ECT241
=EET
208+25
1

ECT241
=EET
208+25
1

			26.4
SATISFACTORY ACADEMIC PROGRESS REQUIREMENTS			52.8
	GPA REQUIREMENTS	CREDITS	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			

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

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			
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

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	Engineering Open Studies	1-6	P	w/ Advisor approval only
ES 395	Engineering Open Studies	1-6	P	w/ Advisor approval only
ES 395	ST:AutoCAD for Civil Engineers	3	P	w/ Advisor approval only
ES 396	Engineering 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	Engineering Open Studies	1-6		
ES 498	Engineering Open Studies	1-6		
ES 591	ST Special Topics in Eng Science	1-6		