

University of Hartford 2013-2014			Naugatuck Valley Comm Coll		Credits required:	129
Civil Engineering, B.S.C.E.			Electronic Engineering Technol		Completed:	13
			68	68.00	remaining:	116
Draft by Ann Lankford 5-27-2014					% completed:	10%
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	1	
sem 1	ES 143	Engineering & Design	3			
sem 1	ES 220	Graphic Communication	2			
sem 1	M 144	Calculus I	4			
sem 1	RPW 110	Reading & Writing I	3	ENG*H101 Composition	3	
sem 2	AUCC	SOC 1XX Intro to Anthropology	3	ANT*H101 Introduction to	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	Physics I	4			
sem 3	CE 250	Intro to Surveying & GIS	3			
sem 3	ES 110	Statics	3			
sem 3	M 246	Appl'd Math w Diff Equa f CE	4			
sem 3	PHY 113	Physics II	4			
sem 3	Sci Elec	BIO 110, 122 or SCI 140	4			
sem 4	CE 260W	CE Materials Lab	3			
sem 4	ES 211	Dynamics	3			
sem 4	ES 212	Mechanics of Materials	3			
sem 4	ES 242	Engineering by Design	3			
sem 4	M 366	Probability and Statistics	3			
sem 5	CE 310	Elem Structural Analysis	3			
sem 5	CE 330	Geotechnical Engineering I	4			
sem 5	CH 110	College Chemistry I	4			
sem 5	ES 320	Thermo-Fluids Engr	4			
sem 6	AUCS 340	Ethics in the Profession	3			
sem 6	CE 300	Engineering Economics	3			
sem 6	CE 312	Structural Steel Design	3			
sem 6	CE 320	Water Resources Engr	4			
sem 6	CH 111	College Chemistry II	4			
sem 6	ES 342	Engineering Practice	1			
sem 7	CE 410	Rein. Concrete Design	3			
sem 7	CE 420	Water Quality Engineering	4			
sem 7	CE 430	Foundation Engineering	3			
sem 7	CE 452	Transportation Engineering I	4			
sem 7	ECE 210	Intro to Electrical Engr	3			
sem 8	CE 460	CE Design Project	4			
sem 8	H/SS	PSY 101 Intro to Psych: Concepts	3	PSY*H111 General Psycho	3	
sem 8	H/SS	SOC 110 Intro to Sociology	3	SOC*H101 Principles of So	3	
sem 8	PE	Professional Elective	3			
sem 8	PE	Professional Elective	3			
Courses not counted towards Degree:						
Univ of Hartford Equivalent				NVCC	CREDIT	
		CMM 1XX Intro to Comm		COM*H100 Introduction to	3	
ECT 111		ECT 1XX Electric Circuits I		EET*H110 Electric Circuits	4	
ECT 121		ECT 1XX Electrical Circuits II		EET*H114 Electric Circuits	4	
		ECT 1XX Labview		EET*H126 Labview	2	
ECT 231		ECT 1XX Electronics I		EET*H136 Electronics I	4	
ECT 241		ECT 2XX Applied Circuit Analysis		EET*H208 Applied Circuit	4	

	ECT 2XX Electronics II		EET*H232 Electronics II	4
	ECT 2XX Electronic Instrumentat		EET*H242 Fiber Optics	
ECT 241	ECT 2XX Electronic Instrumentat		EET*H251 Electronic Instru	3
ECT 122	Intro to Dig Dev		EET*H252 Digital Electron	4
	ECT 2XX Advanced Digital Electr		EET*H253 Advanced Digital Electronics	
ECT 242	Micro Arch & Prog		EET*H256 Microprocessor	4
	ECT 2XX Control Systems		EET*H268 Control Systems	
			EET*H294 Projects	2
	RPW 1XX Literature & Composition		ENG*H102 Literature and C	3
MTH 112	M 1XX College Algebra		MAT*H172 College Algebr	3
	M 1XX Trigonometric Functions		MAT*H185 Trigonometric I	3
PHY 120	PHY 120 Algebra-Based Physics I		PHY*H121 General Physic	4
PHY 121	PHY 121 Algebra-Based Physics I		PHY*H122 General Physic	4
Total				55

SATISFACTORY ACADEMIC PROGRESS REQUIREMENTS			
	GPA REQUIREMENTS	CREDITS REQ'D	
FR	0-31 credits—1.8	1	26.2
SO	32-65 credits—1.9	2	52.4
JR	66-99 credits—2.0	3	78.6
SR	100 + credits—2.0	4	104.8
		5	131
Note: 13.1 c per semester			

Acceptable Professional Electives		Credits	
BIO 442	Microbiology	4	P
BIO 444	Biochemistry	4	P
BIO 260W	Ecology	4	P
CE 340	Construction Management	3	P
CE 430	Foundation Engineering	3	P
CE 442	Construction Planning&Schedule	3	P
CE 451	Land Suverying II for Eng	3	P
CE 453	Transportation Engineering II	3	P
CE 500	Advanced Mech of Materials	3	P
CE 501	Adv Structural Des for Eng	3	P
CE 502	Groundwater Hydrology	3	P
CE 503	Geographic Info Sys in Practice	3	P
CE 507	Finite Element Analysis	3	P
CE 509	Pollution Preventaion	3	P
CE 510	Simulation & Modeling of Trans. Sys.	3	P
CE 512	Traffic Flow Theory & Anal.	3	P
CE 514	Urban Transportation Eng.	3	P
CE 516	Public Transportation Sys	3	P
CE 518	Adv. Highway Engineering	3	P
CE 523	Engineering Hydrology	3	P
CE 524	Solid Waste Management	3	P
CE 530	Geotechnical Engineering,II	3	P
CE 540	Anal of Indeterminate Struc	3	P
CE 541	Structural Concrete Design II	3	P
CE 542	Structural Steel Design II	3	P
CE 591	Special Topics Civil/Environmental	1-6	P
CE 506	Emergency Preparedness	3	P
CH 230	Organic Chemistry I	4	P
CH 231	Organic Chemistry	4	P
CH 347	Physical Chemistry I	3	P
CH 348	Physical Chemistry II	3	P
CH 444	Biochemistry	4	P
CH 519	App Environmental Chemistry	3	P
CH 539	Organic Chemistry f ENV Eng	3	P
ECE 493	ST:Electrical&Computer Engineer	1-3	P
ECE 591	ST Spec Topics Electrical Eng	1-6	P
ECE 592	ST Spec Topics Electrical Eng	1-8	P
ES 293	Engineering Open Studies	1-6	P
ES 294	Engineering Open Studies	1-6	P
ES 300	Cooperative Education	1-3	P
ES 395	Engineeering Open Studies	1-6	PE if Adv AutoCAD
ES 400	Cooperative Education	1-3	P
ES 400	Cooperative Engineering Program	1-3	P
ES 491	ST: Engineering Research	1-6	P
ES 492	ST: Engineering Research	1-6	P

EXCLUSIONS

- BE 281
- BE 381
- BE 260W
- ECE 213, 215
- ECE 361, 363
- ES 116
- ES 117
- ES 210
- ES 216
- ES 262
- ES 562
- ME 213W
- ME 236
- ME 340
- M 220
- M 242
- M 310
- M 380
- M 381W
- PHY 340

w/ Advisor approval only
w/ Advisor approval only
w/ Advisor approval only
PE if Adv AutoCAD
w/ Advisor approval only
w/ Advisor approval only
w/ Advisor approval only
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	P	w/ Advisor approval only
ES 498	Engineering Open Studies	1-6	P	w/ Advisor approval only
ES 591	ST Special Topics in Eng Science	1-6	P	w/ Advisor approval only
M 221	Discrete Mathematics I	4	P	
M 340	Introductory Analysis	3	P	
M 344	Adv. Engineering Math	3	P	
M 515	Methods of Appld Math I	4	P	
ME 341	Heat Transfer	3	P	
ME 352	Kinematic Design for Eng	3	P	
ME 370	Elements of Mechanical Design	3	P	
ME 381	Statical Quality Contorl for Eng	3	P	
ME 410	Mechanical Metallurgy for Eng	3	P	
ME 430	Heating,Air Con.&Refrigeration	3	P	
ME 432	Energy Conversion System Desig	3	P	
ME 433	Solar Energy Design for Eng	3	P	
ME 440	Thermal&Mechanical Sys. Design	3	P	
ME 460	Engr.&Environmental Acoustics	3	P	
ME 470	Mechanical Systems & Processes	3	P	
ME 480	Mod Manufacturing Proc f Eng	3	P	
ME 500	Convec Heat & MomenTrnsfr I f Eng	3	P	
ME 501	Kinematic Linkage Design for Eng	3	P	
ME 502	Noise Control Design for Eng	3	P	
ME 503	Vibrations II for Eng	3	P	
ME 504	Dynamics of Machines for Eng	3	P	
ME 505	Mechatronics Sys Des	3	P	
ME 506	Prin of Combustion for Eng	3	P	
ME 511	Adv Materials for Eng	3	P	
ME 530	Gasdynamics	3	P	
ME 531	Gas Turbine Analysis	3	P	
ME 582	Reliability Engineering	3	P	
ME 591	Special Topics in Mechanical Eng	1-6	P	
MGT 310	Manag'g Org Behavior	3	P	
MGT 320	Operations Management	3	P	
MGT 430	Project Management Management	4	P	
PHY 214	Calculus-Based Physics III	4	P	
PHY 250	Materials Science	3	P	
PHY 260	Optics	3	P	