

CT State Engineering Science AS to University of Hartford Biomedical Engineering BSBE Transfer Sheet

CT State Community College Engineering Science, AS			University of Hartford Biomedical Engineering, BSBE	
Category	Community College Course	Credits	University Course	Credits
Common Curriculum	ENG 1010 English Composition	3	WRT 110W	3
Common Curriculum	ENG 1020 or ENG 1080	3	US 190 FY Success Seminar	1
Common Curriculum	PHIL 1101 Ethics	3	UISS 340D Ethics in Prof	3
Common Curriculum	HISX Elective (HIST 1001, 1002, 1015, 1016, or 2013)	3	UISC 180/212	3
Common Curriculum	ANTH, PSY, or SOC Elective	3	H/SS Elective	3
Common Curriculum	ECON, GEOG, POLS, or WGS Elective	3	H/SS Elective	3
Common Curriculum	CCS 1001 College and Career Success	3		
Lab Science	CHEM 1210 General Chemistry I w/ lab	4	CH 110 College Chemistry 1	4
Lab Science	PHYS 2201 Calculus-based Physics I w/ lab	4	PHY 112 Calc-based Physics I	4
Lab Science	PHYS 2202 Calculus-based Physics II w/ lab	4	PHY 113 Calc-based Physics II	4
Math	MATH 2600 Calculus I	4	M 144 Calculus I	4
Math	MATH 2610 Calculus II	4	M 145 Calculus II	4
Math	MATH 2620 Calculus III: Multivariable	4	M 240 Calc of Several Variables	4
Math	MATH 2622 Differential Equations	4	M 242 Differential Equations	3
Engineering	CSC2214, EGR1115, EGR2230, or EGR2250	3	ES 115 Engr Computer Apps	3
Engineering	EGR 1110 Introduction to Engineering	3	ES 143P Engineering and Design	3
Engineering	EGR 2211 Engineering Statics	3	ES 110 Statics	3
Engineering	EGR 2215 Thermodynamics I	4	*	
Specialization Elective	EGR 2212 Engineering Dynamics	3	ES 211 Dynamics	3
Specialization Elective	EGR 2221 Electrical Circuits	4	ECE 255 Fundamentals of Circuits and Electronics	4

TOTAL REQUIRED CREDITS: 69

TOTAL AWARDED CREDITS: 59

Minimum number of university
credits to complete after transfer 68

TOTAL CREDITS IN DEGREE: 127

NOTE: the following courses may also be taken and transferred in to fulfill degree requirements:

Possible to transfer	CHEM 1220 General Chemistry II w/lab	4	CH 111P College Chemistry II	4
Possible to transfer	BIO 2111 Anatomy & Physiology I	4	BIO 212 Anatomy & Physiology I	4
Possible to transfer	BIO 2112 Anatomy & Physiology II	4	BIO 213 Anatomy & Physiology II	4

ADDITIONAL POSSIBLE CREDITS: 12

**TOTAL POSSIBLE TRANSFER
CREDITS: 71**

*EGR 2215 can combine with a Fluids Course to transfer as ES 320 Thermal Fluids Engineering 4 credits