

CT State Engineering Science AS to UConn Biomedical Engineering BSE Transfer Sheet

CT State Community College Engineering Science, AS			University of Connecticut Biomedical Engineering, BSE	
Category	Community College Course	Credits	University Course	Credits
Common Curriculum	ENG 1010 English Composition	3	See note*	3
Common Curriculum	ENG 1020 or ENG 1080	3	See note*	3
Common Curriculum	PHIL 1101 Ethics	3	See note*	3
Common Curriculum	HIST Elective	3	See note*	3
Common Curriculum	ANTH, PSY, or SOC Elective	3	See note*	3
Common Curriculum	ECON, GEOG, POLS, or WGS Elective	3	See note*	3
Common Curriculum	CCS 1001 College and Career Success	3	See note*	3
Lab Science	CHEM 1210 General Chemistry I w/ lab	4	CHEM 1127Q	4
Lab Science	PHYS 2201 Calculus-based Physics I w/ lab	4	PHYS 1501Q	4
Lab Science	PHYS 2202 Calculus-based Physics II w/ lab	4	PHYS 1502Q	4
Math	MATH 2600 Calculus I	4	MATH 1131Q	4
Math	MATH 2610 Calculus II	4	MATH 1132Q	4
Math	MATH 2620 Calculus III: Multivariable	4	MATH 2110Q	4
Math	MATH 2622 Differential Equations	4	MATH 2410Q	3
Engineering	Intro to Programming (CSC 1203 Python Fundamentals recommended)	3	CSE 1010	3
Engineering	EGR 1110 Introduction to Engineering	3	ENGR 1166	3
Engineering	EGR 2211 Engineering Statics	3	CE 2110	3
Engineering	EGR 2215 Thermodynamics I	4	ME 2233	3
Specialization Elective	EGR 2221 Electrical Circuits	4	ECE 2001	4
Specialization Elective	BIO 1210 Intro to Biology	4	BIO 1107	4

TOTAL REQUIRED CREDITS: 70

TOTAL AWARDED CREDITS: 68

Minimum number of university
credits to complete after transfer **60****

TOTAL CREDITS IN DEGREE: 128

NOTE: to ensure ability to complete in only 2 years after transfer, you must also transfer in the following:

Additional Recommended Courses	MATH 2621 Applied Linear Algebra	4	MATH 2210Q	3
	CHEM 1220 General Chemistry II w/lab	4	CHEM 1128Q	4

ADDITIONAL POSSIBLE CREDITS: 8

**TOTAL POSSIBLE TRANSFER
CREDITS: 75**

*NOTE: Students who attend CT State and earn an associate degree that has been determined as Transfer Oriented by UConn are eligible to have University General Education (Common Curriculum) requirements waived. Second Language requirement will be verified through HS transcript or college transcript separately.

****The remaining required courses for CHEG depend on selected electives**