UTC Transfer Pathway **2019-2020**

B.S.M.E. Mechanical Engineering

This pathway leads from a Mechanical Engineering, A.S. (TTP) degree from Chattanooga State Community College to a Bachelor of Science in Mechanical Engineering degree with a major in Mechanical Engineering from the University of Tennessee at Chattanooga.

Chattanooga State Community College

First Year – 34 Hours			
Fall Semester:	**Hrs**	*Spring Semester:*	**Hrs**
ENGL 1010: English Composition I	3	ENGL 1020: English Composition II*	3
CHEM 1110: General Chemistry I	4	PHYS 2110: Calculus-Based Physics I*	4
MATH 1910: Calculus I*	4	MATH 1920: Calculus II*	4
Humanities/Fine Arts to satisfy Gen Ed	3	Humanities/Fine Arts to satisfy Gen Ed	3
History to satisfy Gen Ed	3	History to satisfy Gen Ed	3
	17		17
Second Year – 32 Hours			
Fall Semester:	**Hrs**	*Spring Semester:*	**Hrs**
ENGR 2110: Statics	3	ENGR 2120: Dynamics	3
Social/Behavioral Science to satisfy Gen Ed	3	Social/Behavioral Science to satisfy Gen Ed	3
PHYS 2120: Calculus-Based Physics II	4	MATH 2120: Differential Equations	3
MATH 2110: Calculus III	4	MATH 2010: Introduction to Linear Algebra	3
MATH 2050: Calculus Based Probabilty and Statistics	3	Literature to satisfy Gen Ed	3
	17		15

* Must earn a C or better grade

Students should verify Chattanooga State Community College graduation requirements.

University of Tennessee at Chattanooga

Third Year – 34 Hours			
Fall Semester:	**Hrs**	*Spring Semester:*	**Hrs**
ENME 1011: Intro to Two/Three-Dimensional Modeling	1	ENME 1850: Intro to Engineering Design	2
ENEE 2700: Electrical Circuits I	3	ENCE 2460/2460L: Mechanics of Materials/Lab	4
ENME/ENCH 3030: Thermodynamics	3	ENME 2240: Intro to Engineering Computations	3
ENME 3400: Engineering Materials Science	3	ENME 3580: Manufacturing Processes	3
ENME 3070/3070L: Fluid Mechanics/Lab	4	ENMNE 3090: Heat & Mass Transfer	3
ENME 3470: Mechanical Engineering	2	ENME 3040: Mechanical Engineering Thermodynamics	3
	16		18
Fourth Year – 36 Hours			
Fall Semester:	**Hrs**	*Spring Semester:*	**Hrs**
ENME 3850: Interdisciplinary Design Project I	3	ENME 4850: Interdisciplinary Design Project II	3
ENME 4420: Machine Design	3	ENCH 3280/3280L: Control Systems/Lab	4
ENME 4430: Thermal Component Design	3	ENME 4500: Mechanical Engineering Design Project	3
ENEE 3700: Energy Conversion & Electronics	3	ENCE 3520: Engineering Economy	3
ENME 3480: Kinematics & Dynamics of Machinery I	3	Approved ENME Elective (4000 Level)	3
Approved ENME Elective (4000 Level)	3	ENME 4470: Mechanical Engr Experimentation Lab	2
	18		18

Completed:			
Graduation Requirements:		**Degree Requirements:**	
128 Total Hours		21 General Education Hours	
39 Upper Division (3000-4000) Hours		109 Program (Major) Hours	
30 Hours at UTC		Minor Hours *(Not Required)*	
60 Hours at 4-year institution		6 Elective Hours	
		Foreign Language Hours *(Not Required)*	

This Transfer Path is a supplemental resource only. Students should consult their catalog year for official lists of general education courses, program requirements, pre-requisites, and co-requisites.