

**ARTICULATION AGREEMENT BETWEEN  
SOUTH CAROLINA STATE UNIVERSITY  
AND  
PIEDMONT TECHNICAL COLLEGE**

**MECHANICAL ENGINEERING TECHNOLOGY  
(131 Semester Credit Hours)**

SCSU Course		Piedmont Tech Equivalent	
<b>Freshman</b>			
<b>First Semester</b>		<b>Cr.</b>	
E 150	English Composition I	3.0	ENG 101
M 152	Pre-Calculus	3.0	MAT 110 and MAT 111
ET 150	Mech. Draw/Basic CAD		EGT 110 & EGT 151
ET 170	Intro. Eng. Tech	3.0	EGR 130
PE 150/ MS 101/ HED 151 *		2.0	
UNIV 101	Intro. Univ. Comm.	2.0	COL 102 or COL 103
<b>Second Semester</b>		<b>Cr.</b>	
E 151	English Composition II	3.0	ENG 102
M 153	Calculus I	3.0	MAT 140
CS 150	Computer Science	3.0	CPT 101
C 150	General Chemistry	3.0	CHM 110
C 151	Gen. Chemistry Lab	1.0	CHM 110
H 250/251	History	3.0	HIS 101 or HIS 102
<b>Sophomore</b>			
<b>First Semester</b>		<b>Cr.</b>	
MET 200	Advanced CAD	3.0	EGT 251 or EGT 252
M 163	Calculus II	3.0	MAT 141
P 254	General Physics	3.0	PHY 221
P 251	Gen. Physics Lab	1.0	PHY 221
ET 212	Statics	3.0	EGR 194
MET 221	Machine Tool Lab.	3.0	MTT 121
M 250	Linear Algebra for Sci. & Engr.*	3.0	
<b>Second Semester</b>		<b>Cr.</b>	
P 255	General Physics	3.0	PHY 222
P 253	Gen. Physics Lab	1.0	PHY 222
ET 250	Tech. Communications	3.0	SPC 205
E 250/251	World Literature	3.0	ENG 208 or ENG 209
ET 213	Strength of Material *	3.0	
ARTS 250/MU 250/D 254		3.0	MUS 105 or ART 101

SCSU Course		Piedmont Tech Equivalent	
<b>Junior</b>			
<b>First Semester</b>		<b>Cr.</b>	
SOC 250/PSY 250		3.0	SOC 101 or PSY 201
ET 310	Engineering Computing *	3.0	
MET 325	Kinematics & Mach. Des *	3.0	
ET 421	Thermodynamics	3.0	MET 222
ET 255	Engineering Economy	3.0	EGR 226
EET 230	Circuit Analysis	3.0	(EET 111 & EET 112) or (EET 113 & EET 114)
<b>Second Semester</b>		<b>Cr.</b>	
ETS 250	African-American Hist.	3.0	HIS 115
MET 380	Design of Material Element	3.0	MET 231
ET 313	Dynamics	3.0	MET 213
MET 422	Applied Thermodynamics*	3.0	
MET 340	Manufacturing Processes	3.0	(AMT 104 & EGR 175) or (CIM 131 & EGR 175)
<b>Senior</b>			
<b>First Semester</b>		<b>Cr.</b>	
MET 425	Micro. Comp. Application*	3.0	
CET 415	Fluid Mechanics & Hydr.*	3.0	
MET 450	Engineering Materials *	3.0	
MET 427	Numerical Control Mach.	3.0	MTT 253
MET 459	Senior Project Proposal *	1.0	
EAET 410 or EAET 411 (Restricted Elective)	Engineering Ethics (3.0 hr)* or Role of Engr./Technologist in Society (3.0 hr)*	3.0	
<b>Second Semester</b>		<b>Cr.</b>	
MET 435	Heat Transfer *	3.0	
CET 417	Mechanics of Materials *	3.0	
MET 428 or MET 490 (Select One)	CNC Machine Tool (3.0 hr)* Special Topics in Mech. Engr. Tech/Manuf. (3.0 hr)*	3.0	
MET 460	Senior Project *	3.0	
Open Elective		3.0	

\*South Carolina State University Courses

\* Each student must earn at least 30 semester hours in residency at SC State University to earn a degree