

MECHANICAL ENGINEERING TECHNOLOGY DETAIL 4/11/2011

TCSG Program Components

COURSE TITLE	TCSG Course	SPSU Course	MET
TCSG COMMON			
English Comp I	ENGL 1101	ENGL 1101	3
English Comp II	ENGL 1102	ENGL 1102	3
Pre-Calculus	MATH 1113	MATH 1113	4
Calculus I	MATH 1131	MATH 2253	4
Public Speaking	SPCH 1101	COMM 2400	2
Arts & Culture	ARTS 1101or MUSC 1101	ARTS 2001or ARTS 2003	3
World History	HIST 1111 or HIST 1112	HIST 1111 or HIST 1112 (E2)	3
Physics I	PHYS 1111 & PHYS 1111L	PHYS 1111K *	4
Physics II	PHYS 1112 & PHYS 1112L	PHYS 1112K*	4
Technical Writing	ENGL 1105	TCOM 2010	3
Chemistry I	CHEM 1211 & CHEM 1211L	CHEM 1211K	4
Eng Graphics I	DFTG 2010	ENGR 1211	3
TCSG Common Subtotal			40

TCSG OPTION SPECIFIC			
Computer Prog	CIST 2361	CS1301E	3
Mfg Processes	MEGT 1010	MET 1311	3
Mach & Welding	MEGT 1321	MET 1321	2
Calculus II	MATH 1132	MATH 2254	4
Eng Graphics II	DFTG 2020	ENGR 1212	4
American Literature	ENGL 2130	ENGL 2131	3
Free Elective		Credit Course	3
TCSG Option Specific Subtotal			22
TCSG TOTAL	AAS PRE-ENGINEERING TECHNOLOGY-MET		62

NOTE:

*Calculus based Physics preferred by MET although Trig. based will be accepted.

SPSU Program Components

COURSE TITLE	SPSU Course	MET
SPSU COMMON		
Behavior Science	E3	3
American History	E1	3
Cultures & Societies	E4	3
STS	STS 2400	2
Balance of A-E		11

SPSU DEGREE SPECIFIC		
Orientation	MET 1000	1
Ordinary Diff Equa	MATH 2306	3
Electrical Principles	ECET 3000	4
Dynamics	ENGR 3122	3
Statics	ENGR 2214	3
Strength of Mat	ENGR 3131	3
Strength of Mat Lab	ENGR 3132	1
Fluid Mechanics	ENGR 3343	3
Fluid Mech Lab	MET 3344	1
Mfg Process Lab II	MET 2322	3
Eng Materials	MET 3132	4
Machine Design I	MET 4141	4
Instr & Controls	MET 4421	4
MET 1 of 3 Courses	MET 3123, 3331 or 3402	3
Thermodynamics	MET 3401	3
Department Electives		12
Degree Specific Subtotal		55
SPSU TOTAL		66

STUDENT TOTAL	BS ENGINEERING TECHNOLOGY (BSMET)	128
----------------------	----------------------------------------------	------------