Example Course Schedule: Dual Degree Program, BS Microelectronic E/MS SSTP

Term: Fall 1				Term: Spring 1		
Course Number & Title	CR	Prerequisite(s)		**Course Number & Title**	CR	Prerequisite(s)
MATH-181 PB Calculus I	4			MATH-182 PB Calculus II	4	MATH-181
CHMG-131 General Chemistry for Eng	3			PHYS-211 University Physics I	4	MATH-181
1st yr Writing Intensive	3			CMPR 271 Comp. Problem Solving for Eng	3	
MCEE-101 Intro to Nanoelectronics	3			EEEE-120 Digital Systems I	3	
Foundation Elective	3			Perspectives-1	3	
					0	
Term credit total:	16			**Term credit total:**	17	
Term: Fall 2				Term: Spring 2		
Course Number & Title	CR	Prerequisite(s)		**Course Number & Title**	CR	Prerequisite(s)
MATH-221 Multi and Vector Calculus	4	MATH-182		MATH-231 Differential Equations	3	MATH-221
PHYS-212 University Physics II	4	PHYS-211		MCEE-201-I C Technology	3	
MCEE-205 Statistics and DOE	3			EEEE-282-Circuits II	3	EEEE-281
EEEE-281-Circuits I	3	MATH 182		Perspectives-3	3	
Perspectives-2	3			PHYS-213 Modern Physics	3	PHYS-212
Term credit total:	17			**Term credit total:**	15	
Term: Fall 3				Term: Spring 3		
Course Number & Title	CR	Prerequisite(s)		**Course Number & Title**	CR	Prerequisite(s)
CO-OP		3rd Year Standing		MCEE-320 EM Fields	3	MATH-231, PHYS-212
				MCEE-360-Semiconductor Devices	4	PHYS-212
				MCEE-503-Thin Film	3	MCEE-201or MCEE-701
				EEEE-380 Digital Electronics	3	EEEE-281
				LAS Immersion 1	3	
Term credit total:	0			**Term credit total:**	16	
Term: Fall 4				Term: Spring 4		
Course Number & Title	CR	Prerequisite(s)		**Course Number & Title**	CR	Prerequisite(s)
MCEE-502 Semiconductor Process Integration	3	MCEE-201, MCEE-360 or EEEE-260		EEEE 353 Linear Systems	4	EEEE-282,MATH-231 & CMPR-271
EEEE-480-Analog Electronics	4	EEEE-380 & EEEE-282		Graduate Professional Elective/Policy Elective 1	3	
MCEEE-505 Lith. Mat. & Proc.	3	CHMG-131 or equiv.		Professional Elective	3	
Perspectives-4	3			PUBL-702 Graduate Decision Analysis	3	
LAS Immersion 2	3			LAS Immersion 3	3	
PUBL-701 Graduate Policy Analysis	3					
Term credit total:	19			**Term credit total:**	16	
Term: Fall 5				Term: Spring 5		
Course Number & Title	CR	Prerequisite(s)		**Course Number & Title**	CR	Prerequisite(s)
MCEE-550 CMOS Processing	4	MCEE-360 MCEE-502, MCEE-505		MCEE 515 Nanolith Systems	3	MCEE 505
MCEE-495 -Senior Design I	3	5th Year status		EEEE-496 -Senior Design II	3	MCEE-495
Free Elective/PUBL-700 Readings in PP	3			STSO-710 Grad Sci Tech Policy	3	
PUBL-703 Evaluation and Research Design	3			Free Elective BS/Graduate Policy Elective 3	3	
Policy Elective 2	3			Thesis Research	6	
Term credit total:	16			**Term credit total:**	18	

Counts Towards Both BS and MS. This is just one way to double count classes. Talk to your advisor for other options.

Counts Towards MS