

SUGGESTED 2-YEAR SCHEDULE FOR **PHYSICS** MAJORS AT SCCC

Term 1: Fall 1	Cr	GER	LAS	Maj	TPath	Co/Prerequisites
COL 101 Freshman Seminar	1					
ENG 101 Standard Freshman Composition	3	BC	3			
CHE 133 College Chemistry 1	4	NS	4	4	4	Pre: CHE 100 or CHE 122, and MAT124
MAT141 Calculus 1	4	M	4		4	Pre: MAT 125 or MAT 126
CST 112 Introduction to Programming	4				4	Pre: MAT 007
Term credit totals:	16	11	11	4	12	

Term 2: Spring 2	Cr	GER	LAS	Maj	TPath	Co/Prerequisites
ENG 102 Introduction to Literature	3	H	3			Pre: ENG 101
CHE 134 College Chemistry 2	4	NS	4	4	4	Pre: CHE 133
PHY 130 Physics 1 – Mechanics	3	NS	3	3	3	Pre: MAT141 Co: MAT 142, PHY 132
PHY 132 Physics 1 Lab	1	NS	1	1	1	Co: PHY 130
MAT 142 Calculus 2	4	M	4		4	Pre: MAT 141
Term credit totals:	15	15	15	8	12	

Term 3: Fall 3	Cr	GER	LAS	Maj	TPath	Co/Prerequisites
PHY 230 Physics 2 – Electromagnetism	3	NS	3	3	3	Pre: MAT 142, PHY 130 Co: PHY232
PHY 232 Physics 2 Lab	1	NS	1	1	1	Co: PHY 230
MAT 203 Calculus 3	4	M	4		4	Pre: MAT 142
MAT 204 Differential Equations	4	M	4		4	Pre: MAT 142
History Elective fulfilling SUNY GER-WC	3	WC	3			
Term credit totals:	15	15	15	4	12	

Term 4: Spring 4	Cr	GER	LAS	Maj	TPath	Co/Prerequisites
MAT 206 Linear Algebra	4	M	4		4	Pre: MAT 142
PHY 245 Physics 3 – Oscillations, Waves, Optics, Thermodynamics	3	NS	3	3	3	Pre: MAT 203, MAT 204, PHY 230 Co: PHY 246
PHY 246 Physics 3 Lab	1	NS	1	1	1	Co: PHY 245
Social Science Elective fulfilling SUNY GER-SS	3	SS	3			
Humanities Restricted Elective fulfilling SUNY GER-FL	3	FL	3			
talk to a physics faculty	4	NS	4	4	4	It would be Modern Physics, but we are not offering it at SCCC
Term credit totals:	18	18	18	8	12	

KEY Cr: credits GER: SUNY General Education Requirement (Category Abbreviation) LAS: Liberal Arts & Sciences (credits) Maj: Major requirement (credits) TPath: SUNY Transfer Path Courses (credits) Co/Prerequisite(s): list co/prerequisite(s) for the noted courses **SUNY GER Category Abbreviations:** Basic Communication (BC), Math (M), Natural Sciences (NS), Social Science (SS), Humanities (H), American History (AH), The Arts (AR), Other World Civilizations (OW), Western Civilization (WC), Foreign Language (FL)