

PHYSICS (B.S.) STEMBA

Course	Title	Hours
Freshman		
Fall		
CHEM 141 & CHML 141	GENERAL CHEMISTRY I and GENERAL CHEMISTRY LAB	4
ENG 104 or ENG 103	COMPOSITION I or English Composition I with Co-requisite Support	3
MATH 241	CALCULUS I WITH LABORATORY	3
PHY 198	PHYSICS STUDENT SEMINAR	0.5
UNIV 100	UNIVERSITY SUCCESS	2
Humanities & Fine Arts Option		3
Hours		15.5
Spring		
CHEM 142 & CHML 142	GENERAL CHEMISTRY II and GENERAL CHEMISTRY II LAB	4
ECO 211	PRINCIPLES OF MACROECONOMICS	3
ENG 105	COMPOSITION II	3
PHY 199	PHYSICS STUDENT SEMINAR	0.5
PHY 211 & PHYL 211	General Physics I and GENERAL PHYSICS LAB I	4
Pathway Option		3
Hours		17.5
Sophomore		
Fall		
BIO 111 & BIOL 111	GENERAL BIOLOGY and GENERAL BIOLOGY LAB	4
ECO 212	PRINCIPLES OF MICROECONOMICS	3
MATH 242	CALCULUS II WITH LABORATORY	3
PHY 212 & PHYL 212	General Physics II and GENERAL PHYSICS LAB II	4
PHY 298	PHYSICS STUDENT SEMINAR	0.5
Pathway Options		3
Hours		17.5
Spring		
MKT 351	MARKETING MANAGEMENT	3
PHY 216	MODERN PHYSICS	3
PHY 299	PHYSICS STUDENT SEMINAR	0.5
UNIV 200	CIVIC ENGAGEMENT	1
Humanities & Fine Arts Option		3
Social & Behavioral Science Option		3
Pathway Option		3
Hours		16.5
Junior		
Fall		
PHY 311	THEORETICAL MECHANICS I	3
PHY 351	THERMAL PHYSICS	3
PHY 361	MATH MET OF PHYSICS & CHEMISTRY	3
PHY 398	PHYSICS STUDENT SEMINAR	0.5
Physics Elective		3
Humanities & Fine Arts Option		3
Hours		15.5
Spring		
ACC 211	PRINCIPLES OF FINANCIAL ACCTNG	3
MNGT 330	MANAGEMENT TO ORGANIZATIONS	3
PHY 330	METHODS OF EXPERIMENTAL PHYSICS	3
PHY 399	PHYSICS STUDENT SEMINAR	0.5
Physics Elective		3
Hours		12.5

Senior

Code	Title	Hours
Fall		
ACC 212	PRINCIPLES OF MANGERIAL ACCTNG	3
FIN 320	BUSINESS FINANCE	3
PHY 411	ELECTROMAGNETIC THEORY I	3
PHY 422	QUANTUM MECHANICS	3
PHY 498	PHYSICS STUDENT SEMINAR	0.5
Social & Behavioral Science Option		3
Hours		15.5
Spring		
MNGT 502	HUMAN RELATIONS & ORGAN BEHAVI	3
MNGT 516	STATISTICS BUSINESS DECS	3
PHY 431	ATOMIC & NUCLEAR PHYSICS	3
PHY 499	PHYSICS STUDENT SEMINAR	0.5
Physics Elective		3
Hours		12.5
Total Hours		123

Notes:

- Candidates that transfer 12 or more hours of college credit are exempt from UNIV 100 UNIVERSITY SUCCESS; however, the student must take 2 hours of general electives to replace the UNIV course.
- Online Graduation Clearance (**to be completed during the graduating semester only**).

Code	Title	Hours
Physics Electives		
Students must choose nine (9) hours of Physics Elective		
PHY 241	INTRODUCTN TO ASTRONOMY	4
PHY 312	THEORETICAL MECHANICS II	3
PHY 362	MATH MET OF PHYSICS&CHEMISTRY	3
PHY 412	ELECTROMAGNETIC THEORY II	3
PHY 449	SPECIL TOPICS IN PHYSICS	3

Concentration StemBA

Course	Title	Hours
First Year		
MKT 530	MANAGERIAL MARKETING	3
ACC 540	ADV MANAGERIAL ACCOUNTNG	3
MNGT 520	ADVANCED PRODUCTION MANAGEMENT	3
Restricted Elective		3
Hours		12
Second Year		
ECO 530	MANAGERIAL ECONOMICS	3
FIN 515	MANAGERIAL FINANCE	3
MNGT 330	MANAGEMENT TO ORGANIZATIONS	3
MNGT 560	BUSINESS POLICY	3
Hours		12
Total Hours		24

Code	Title	Hours
MBA Electives		
Restricted Electives for MBA (6 credit hours); Choose any two from the following:		
ECO 511	MACROECONOMICS THEORY	3
ACC 540	ADV MANAGERIAL ACCOUNTNG	3
FIN 561	SEM N BUS ADMN & RESEARCH PROJ	3
Any Accounting Elective		3

Any Economics Elective	3
Any Entrepreneurship Elective	3
Any Management Elective	3
Any Marketing Elective	3