

BS COMPUTER ENGINEERING MAJOR - FALL 2019-2020

PHYSICS & ENGINEERING REQUIREMENTS		CREDIT HOURS	OFFERED FALL JTERM		Year to take it
PHY211	University Physics I	4	F		FRESH
PHY212	University Physics II	5		J-TERM	FRESH
ENP104	Introduction to Engineering and Software	3		S	FRESH
ENP231	Introductions to Electric Circuits	4	F		SOPH
ENP252	Principles of Engineering	4		S	SOPH
ENP261	Digital Systems Design	3		EVEN	SOPH/JR
ENP332	Control Systems	4		ODD	JR/SR
ENP341	Microcomputer Interfacing	4	EVEN		JR/SR
ENP392	Junior Engineering Project	3		S	JR
ENP405	Engineering Ethics	1		S	SR
ENP431	Advanced Electronics and Microcircuits	4	ODD		JR/SR
COMPUTER SCIENCE REQUIREMENTS					
	Computer Science and Engineering: All New				FRESH/ New majors
COS103	Majors Orientation	1	F		
COS121	Foundations of Computer Science	4	F	S	SOPH
COS130	Computational Problem Solving for Engineers	3		S	FRESH
COS265	Data Structures and Algorithms	4	F		ANY
COS284	Introduction to Computer Systems	3		S	SOPH
COS331	Data Communications	3		S	ANY
COS340	Software Engineering	3	F		ANY
COS381	Computer Architecture	3	ODD		JR/SR
COS393	Practicum (summer credit hour costs apply)	2		SUMMER	JR
COS421	Operating Systems	3		ODD	JR/SR
COS491	Senior Engineering Project I	2	F		SR
COS493	Senior Capstone	1	F		SR
COS494	Senior Engineering Project II	3		J-TERM	SR
COS495	Senior Engineering Project III-SP	1		S	SR
MATHEMATICS REQUIREMENTS					
MAT151	Calculus I	4	F	S	FRESH
MAT215	Discrete Mathematics for Computer Science	3	F		SOPH
MAT230	Calculus II	4		S	FRESH
MAT240	Calculus III	4	F		SOPH
MAT251	Differential Equations	4		S	SOPH
MAT352	Mathematical Statistics	4	F		JR/SR
		98	Hours		

Attendance at 21 Computer Science and Engineering sanctioned events is required

See Dr. Geisler for your 4 year plans