

BSEN (Electrical Concentration) 2018-2019

Year	Fall 2018					Spring 2019					Summer 2019					
	Course		R	L	C	Course		R	L	C						
Freshman	MATH1750	Engineering Calculus I	4	0	4	MATH1850	Engineering Calc. II <i>Prereq: MATH 1750</i>	4	0	4						
	PHYS1250	Engineering Physics I	3	2	4	PHYS1750	Engr. Phys. II <i>Prereq: PHYS 1250, MATH1750</i>	3	2	4						
	ENGL1100	English I <i>Prereq: English Placement Test</i>	4	0	4	ENGL2200	English II <i>Prereq: English I</i>	4	0	4						
	ENGR1000	Intro to Engineering <i>Prereq: Enrollment in BSEN</i>	1	4	3	ENGR1500	Intro Engr. Design <i>MATH 1750, ENGL 1100</i>	1	4	3						
	ENGR1600	Fundamentals of CAD and CAM OR	0	2	1	ENGR1800	Introduction to MATLAB OR	0	2	1						
	ENGR1800	Introduction to MATLAB				ENGR1600	Fundamentals of CAD and CAM									
	FYS	First Year Seminar			0											
Total:					16	Total:					16					
Year	Fall 2019					Spring 2020					Summer 2020					
	Course		R	L	C	Course		R	L	C						
Sophomore	MATH2500	Differential Equations <i>Prereq: MATH 1850</i>	4	0	4	MATH2025	Multivariable Calculus <i>Prereq: MATH 1850</i>	4	0	4	Optional Co-op Work Term COOP3000 <i>Prereq: Successful completion of freshman and sophomore program requirements; 2.0 or higher Cumulative GPA</i>					
	Math/Science	Math or Science	-	-	4	HUSS	HUSS <i>Prereq: ENGL 1100, 2200</i>	4	0	4						
	MC	Minor Course	-	-	3	COMP	Computer Science			4						
	EC	ELEC2275-Digital Logic <i>Coreq: ELEC2250</i>	3	2	4	EC	ELEC2750-Network Theory II <i>Prereq: ELEC2250, Prereq: MATH2500</i>	3	2	4						
	EC	ELEC2250-Network Theory I <i>Prereq: MATH1850, CR: MATH2500</i>	3	2	4	MC	Minor Course			3						
Total:					19	Total:					19					
Year	Fall 2020					Spring 2021					Summer 2021					
	Course		R	L	C	Course		R	L	C	Course		R	L	C	
Junior	EC	ELEC3600-Signals and Systems <i>Prereq: MATH2025</i>	4	0	4	Co-op Work Term I COOP3500 <i>Prereq: Junior Status, 2.0 or higher cumulative GPA</i>					ENGR3500	Engineering Junior Design <i>Prereq: Junior Status</i>	2	4	4	
	EC	ELEC3250-Analog Circuit Design <i>Prereq:</i>	3	2	4						HUSS	HUSS <i>Prereq: ENGL 1100, 2200</i>	4	0	4	
	HUSS	HUSS <i>Prereq: ENGL 1100, 2200</i>	4	0	4						MGMT	Management	3	0	3	
	MC	Minor Course			3						MC	Minor Course			3	
	MGMT	Management	3	0	3											Total:
Total:					18											
Year	Fall 2021					Spring 2022					Summer 2022					
	Course		R	L	C	Course		R	L	C	Course		R	L	C	
Senior	Co-op Work Term II COOP4500 <i>Prereq: Senior status, 2.0 or higher cumulative GPA</i>					ENGR5000	Engr. SD I <i>Prereq: Senior Status</i>	1	6	4	ENGR5500	Engr. SD II <i>Prereq: SD I</i>	1	6	4	
						HUSS	HUSS <i>Prereq: ENGL 1100, 2200</i>	4	0	4	Math/Science	Math or Science			4	
						EC	ELEC2850-Microncontrollers Using C <i>Prereq: ELEC2275</i>	3	2	4	HUSS	HUSS <i>Prereq: ENGL 1100, 2200</i>	4	0	4	
						EC	ELEC4475-Feedback and Controls <i>Prereq: MATH2500</i>	3	2	4	EC	ELEC Elective			4	
						EC	COMP3499-Operating Systems for Engineers <i>Prereq: COMP1099</i>	2	3	4						Total:
Total:					20											
Total: 138																

EC=Engineering Course

MC=Minor Course

MGMT=Management

HU/SS=Humanities/Social Science