

Engineering – Electrical Concentration

2022-2023 Undergraduate Catalog

Semester 1 - Fall				
	Credits	Major	Other	GEP
ENES 100 – Intro to Engineering Design	3	TF		
ENGL 101 – First-Year Composition	3			CS1
MATH 236 – Calculus I	4	X		CS3
PHYS 261 – Physics I	4	X		C
ORIE 101 – Intro to Higher Education	1		X	
Semester Total	15			

Semester 2 - Spring				
	Credits	Major	Other	GEP
**Spring Only				
IDIS 150 – First-Year FSU Colloquia	3			E
MATH 237 – Calculus II	4	X		
PHYS 262 – Physics II	4	X		
GEP Social Science	3			D
Semester Total	14			

Semester 3 - Fall				
	Credits	Major	Other	GEP
*Fall Only				
CHEM 201 – General Chemistry I	4	X		C
ENEE 244* - Digital Logic	3	X		
ENME 272* -- Intro to C.A.D.	2	X		
MATH 238 – Calculus III	4	X		
PHYS 263 – Physics III	4	X		
Semester Total	17			

Semester 4 - Spring				
	Credits	Major	Other	GEP
**Spring Only				
ENEE 204** - Basic Circuit Theory	3	X		
ENEE 206** - Circuit Lab	3	X		
ENME 271** -- Numerical Methods	3	X		
MATH 432 – Differential Equations	3	X		
GEP Identity & Difference	3			F
Semester Total	15			

Semester 5 - Fall				
	Credits	Major	Other	GEP
*Fall Only				
ENEE 303* -Analog & Digital Electronics	3	X		
ENEE 307* - Electronics Circuits Design	2	X		
ENEE 322* - Signal & System Theory	3	X		
ENEE 380* - Electromagnetic Theory	3	X		
ENES 310* - Mechatronic & Robotic	3	X		
Semester Total	14			

Semester 6 – Spring				
	Credits	Major	Other	GEP
**Spring Only				
ENEE 445** - Communication Systems	4	X		
ENES 401** - Energy Engineering	3	X		
GEP Fine & Performing Arts	3			A
GEP FSU Colloquia II	3			E
Engineering Elective (1 of 2)	3	X		
Semester Total	16			

Semester 7 – Fall				
	Credits	Major	Other	GEP
*Fall Only				
ENEE 350* - Computer Organization	3	X		
ENEE 481* - Project Development	3	X		
ENGL 3xx – Advanced Writing	3			CS2
GEP Humanities	3			B
Engineering Elective (2 of 2)	3	X		
Semester Total	15			

Semester 8 – Spring				
	Credits	Major	Other	GEP
**Spring Only				
ENEE 408** - Capstone	3	X		
ENEE 439** - Signal Processing	3	X		
ENEE 475** - Power Electronics	3	X		
GEP Humanities	3			B
GEP Social Science	3			D
Semester Total	15			

Total Credits: 121

Engineering – Electrical Concentration

2023-2024 Undergraduate Catalog

Semester 1 - Fall				
	Credits	Major	Other	GEP
ENES 100 – Intro to Engineering Design	3	TF		
ENGL 101 – First-Year Composition	3			CS1
MATH 236 – Calculus I	4	X		CS3
PHYS 261 – Physics I	4	X		C
ORIE 101 – Intro to Higher Education	1		X	
Semester Total	15			

Semester 2 - Spring				
	Credits	Major	Other	GEP
**Spring Only				
IDIS 150 – First-Year FSU Colloquia	3			E
MATH 237 – Calculus II	4	X		
PHYS 262 – Physics II	4	X		
GEP Social Science	3			D
Semester Total	14			

Semester 3 - Fall				
	Credits	Major	Other	GEP
*Fall Only				
CHEM 135 – General Chemistry for Engineers	3	X		C
ENEE 244* - Digital Logic	3	X		
ENME 272* -- Intro to C.A.D.	2	X		
MATH 238 – Calculus III	4	X		
PHYS 263 – Physics III	4	X		
Semester Total	17			

Semester 4 - Spring				
	Credits	Major	Other	GEP
**Spring Only				
ENEE 204** - Basic Circuit Theory	3	X		
ENEE 206** - Circuit Lab	3	X		
ENME 271** -- Numerical Methods	3	X		
MATH 432 – Differential Equations	3	X		
GEP Identity & Difference	3			F
Semester Total	15			

Semester 5 - Fall				
	Credits	Major	Other	GEP
*Fall Only				
ENEE 303* -Analog & Digital Electronics	3	X		
ENEE 307* - Electronics Circuits Design	2	X		
ENEE 322* - Signal & System Theory	3	X		
ENEE 380* - Electromagnetic Theory	3	X		
ENES 310* - Mechatronic & Robotic	3	X		
Semester Total	14			

Semester 6 – Spring				
	Credits	Major	Other	GEP
**Spring Only				
ENEE 445** - Communication Systems	4	X		
ENES 401** - Energy Engineering	3	X		
GEP Fine & Performing Arts	3			A
GEP FSU Colloquia II	3			E
Engineering Elective (1 of 2)	3	X		
Semester Total	16			

Semester 7 – Fall				
	Credits	Major	Other	GEP
*Fall Only				
ENEE 350* - Computer Organization	3	X		
ENEE 481* - Project Development	3	X		
ENGL 3xx – Advanced Writing	3			CS2
GEP Humanities	3			B
Engineering Elective (2 of 2)	3	X		
Semester Total	15			

Semester 8 – Spring				
	Credits	Major	Other	GEP
**Spring Only				
ENEE 408** - Capstone	3	X		
ENEE 439** - Signal Processing	3	X		
ENEE 475** - Power Electronics	3	X		
GEP Humanities	3			B
GEP Social Science	3			D
Semester Total	15			

Total Credits: 121

