

North Carolina State University

Electrical Engineering Curriculum (Effective 07-01-2021)

2 + 2 Program with UNC Asheville

FALL SEMESTER

SPRING SEMESTER

Freshman Year (UNC Asheville)

MATH 191	Calculus I	4	MATH 192	Calculus II	4
LANG 120	Academic Writing & Crit Inquiry	4	PHYS 221	Physics I	4
CHEM 132	General Chemistry	3	ECON 104	Microecon. Princip. for Engineer.	3
CHEM 111	General Chemistry Lab	1	ECE 109	Intro to Computer Systems	3
E 101	Intro to Engr & Prob Solv	1	***	***	<u>3</u>
JEM 123	Intro to CAD for Mechat. Eng.	1		GEP Course	17
FYS 178	First Year Seminar	<u>3</u>			
		17			

Sophomore Year (UNC Asheville)

MATH 291	Calculus III	4	ECE 211	Electric Circuits	4
PHYS 222	Physics II	4	ECE 212	Fund of Logic Design	3
ECE 200	Intro Signals, Circuits & Sys	4	ECE 220	Analytical Found'ns of ECE	3
ECE 209	Computer Systems Prog	<u>3</u>	***	***	3
		15	***	***	<u>3</u>
				GEP Course	16

Junior Year (NC State)

ECE 301	Linear Systems	3	ECE 303	Electromagnetic Fields	3
ECE 302	Microelectronics	4	ECE 380	Engineer Prof for EE (a)	1
ECE 3**	ECE Foundation Elective	3	ECE 3**	ECE Foundation Elective	3
E 102	(or GEP substitute)	2	ENG 331	Commun for Engr & Tech	3
E 115	Intro to Computing Environ	1	COM 110	Public Speaking	3
ST 371	Intro to Prob & Dist Theory	3	***	***	<u>3</u>
HES ***	Health & Exercise Studies	<u>1</u>		Open/Technical Elective	16
		17			

Senior Year (NC State)

ECE 484	ECE Senior Design Project I	3	ECE 485	ECE Senior Design Project II	3
ECE 4**	EE Elective	3	ECE 4**	Elective	3
ECE 4**	EE Elective	3	ECE 4**	Elective	3
***	***	3	***	***	3
HES ***	Health & Exercise Studies	<u>1</u>	***	***	<u>3</u>
		13		GEP Course	15

Open/Technical Elective: Students may take MAE 206 and MAE 208 at UNC Asheville to fulfill those two electives required at NC State.

(a) or ECE 381 (1) or ECE 383 (1)