

North Carolina State University

Electrical Engineering Curriculum (Effective 2013-01-01)

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	ECON 102	Prin of Microeconomics (GEP)	3
E 101	Intro to Engr & Prob Solv	1	ECE 109	Intro to Computer Systems	3
CHEM 111	General Chemistry Lab	1	PHYS 221	Physics I	4
CHEM 132	General Chemistry	3	XXX	GEP Course	3
		<u>13</u>			<u>17</u>

Sophomore Year (UNC Asheville)

MATH 291	Calculus III	4	<i>ECE 211</i>	<i>Electric Circuits</i>	4
PHYS 222	Physics II	4	<i>ECE 212</i>	<i>Fund of Logic Design</i>	3
<i>ECE 200</i>	<i>Intro Signals, Circuits & Systems</i>	4	<i>ECE 220</i>	<i>Analytical Found'ns of ECE</i>	3
<i>ECE 209</i>	<i>Computer Systems Programming</i>	3	XXX	GEP Course	3
		<u>15</u>			<u>13</u>

Junior Year (NC State)

ECE 301	Linear Systems	3	ECE 303	Electromagnetic Fields	3
ECE 302	Microelectronics	4	ECE 3XX	ECE Foundation Elective	3
ST 371	Intro to Prob & Dist Theory	3	ECE 3XX	ECE Foundation Elective	3
XXX	GEP Course	3	ENG 331	Commun for Engr & Tech	3
COM 110	Public Speaking	3	ECE 380a	Engineer Prof EE	1
E 115	Intro to Computing Environ	1	XXX	GEP Course	3
HES XXX	Health Exercise Studies	1			<u>16</u>
		<u>18</u>			

Senior Year (NC State)

	XXX* Open/Technical Elective	3	ECE 485	ECE Senior Design Project II	3
ECE 484	ECE Senior Design Project I	3	ECE 4XX	Elective	3
ECE 4XX	EE Elective	3	ECE 4XX	Elective	3
ECE 4XX	EE Elective	3	XXX*	Open/Technical Elective	3
XXX	GEP Course	3	XXX	GEP Course	3
HESF XXX	Health Exercise Studies	1			<u>15</u>
		<u>16</u>			

Total hours shown: 123

Italics indicates the course is received from NC State by distance education technology.

* Students may take MAE 206 plus 208 at UNC Asheville to fulfill two technical electives (6) required at NC State.

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