

**FOUR YEAR B.A. DEGREE IN PHYSICS  
SAMPLE CURRICULUM**

FRESHMAN YEAR			
Fall Semester	CH	Spring Semester	CH
CHM 101	4	CHM 102	4
ENG 101	3	MAT 112†	3
MAT 110 OR MAT 111†	3	PHY 260	3
PED 101	2	BASIC STUDIES*	<u>6</u>
BASIC STUDIES*	<u>3</u>		16
	15		

SOPHOMORE YEAR			
Fall Semester	CH	Spring Semester	CH
ENG 201	3	MAT 162	4
MAT 161	4	PHY 202	4
PHY 201	4	ELECTIVE**	3
ELECTIVE **	3	BASIC STUDIES*	<u>6</u>
BASIC STUDIES*	<u>3</u>		17
	17		

JUNIOR YEAR			
Fall Semester	CH	Spring Semester	CH
PHY 311	4	MAT 261	4
PHY 321	3	PHY 300	2
PHY 335	4	ELECTIVES	6
BASIC STUDIES*	<u>3</u>	BASIC STUDIES*	<u>3</u>
	14		15

SENIOR YEAR			
Fall Semester	CH	Spring Semester	CH
PHY ELECTIVE‡	3	ELECTIVES	<u>15</u>
ELECTIVES	<u>12</u>		15
	15		

† May take other higher math according to placement test results. Students who qualify to enroll in MAT 161 the first semester of the freshman year are encouraged to take the PHY 201-202 sequence in the freshman year.

\* All basic studies courses must be selected in accordance with guidelines specified in the undergraduate catalogue.

\*\* Students planning to enter the Teacher Education Program should take EDN 200, EDN 203, and PSY 223 in their third and/or fourth semesters.

‡ This course must be selected from Physics offerings at the 300 or 400 level.

**TOTAL: 124 HOURS**

**FOUR YEAR B.S. DEGREE IN PHYSICS  
SAMPLE CURRICULUM**

FRESHMAN YEAR

Fall Semester	CH	Spring Semester	CH
CHM 101	4	CHM 102	4
ENG 101	3	MAT 161 <sup>†</sup>	4
MAT 115	3	BASIC STUDIES*	<u>9</u>
PED 101	2		17
BASIC STUDIES*	<u>3</u>		
	15		

SOPHOMORE YEAR

Fall Semester	CH	Spring Semester	CH
ENG 201	3	MAT 261	4
MAT 162	4	PHY 202	4
PHY 201	4	ELECTIVE	3
BASIC STUDIES*	<u>6</u>	BASIC STUDIES*	<u>6</u>
	17		17

JUNIOR YEAR

Fall Semester	CH	Spring Semester	CH
MAT 361	3	MAT 335	3
PHY 311	4	PHY 300	2
PHY 321	3	PHY 322	3
PHY 335	<u>4</u>	ELECTIVES	<u>6</u>
	14		14

SENIOR YEAR

Fall Semester	CH	Spring Semester	CH
PHY 400	2	PHY 412	3
PHY 411	3	PHY 455	3
PHY 444	4	PHY 495	1
ELECTIVES	<u>5</u>	ELECTIVES	<u>9</u>
	14		16

<sup>†</sup> Students who qualify to enroll in MAT 161 the first semester of the freshman year are advised to take the PHY 201-202 sequence in the freshman year. Students not prepared for MAT 115 may enroll in MAT 111-112 and postpone the calculus sequence until the sophomore year.

\* All basic studies courses must be selected in accordance with guidelines specified in the undergraduate catalogue.

**TOTAL: 124 HOURS**

**THREE YEAR BA DEGREE IN PHYSICS  
SAMPLE CURRICULUM**

YEAR ONE			
Fall Semester	CH	Spring Semester	CH
ENG 101	3	MAT 112	3
MAT 110 OR MAT 111	3	PHY 260	3
PED 101	2	BASIC STUDIES*	<u>9</u>
ELECTIVE	3		15
BASIC STUDIES*	<u>6</u>		
	17		
Summer I	CH	Summer II	CH
CHM 101	4	CHM 102	4
BASIC STUDIES*	<u>3</u>	BASIC STUDIES*	<u>3</u>
	7		7
YEAR TWO			
Fall Semester	CH	Spring Semester	CH
ENG 201	3	MAT 162	4
MAT 161	4	PHY 202	4
PHY 201	4	ELECTIVES	3
ELECTIVE	3	BASIC STUDIES*	<u>6</u>
BASIC STUDIES*	<u>3</u>		17
	17		
Summer I	CH	Summer II	CH
ELECTIVES	<u>6</u>	ELECTIVES	<u>6</u>
	6		6
YEAR THREE			
Fall Semester	CH	Spring Semester	CH
PHY 311	4	MAT 261	4
PHY 321	3	PHY 300	2
PHY 335	4	PHY ELECTIVE‡	3
ELECTIVES	<u>6</u>	ELECTIVES	<u>6</u>
	17		15

\*All basic studies courses must be selected in accordance with guidelines specified in the undergraduate catalogue.

‡ This course must be selected from Physics offerings at the 300 or 400 level.

**TOTAL: 124 HOURS**

**THREE YEAR B.S. DEGREE IN PHYSICS  
SAMPLE CURRICULUM**

YEAR ONE			
Fall Semester	CH	Spring Semester	CH
ENG 101	3	MAT 162	4
MAT 161	4	PHY 202	4
PED 101	2	BASIC STUDIES*	<u>9</u>
PHY 201	4		17
BASIC STUDIES*	<u>3</u>		
	16		
Summer Session I	CH	Summer Session II	CH
CHM 101	4	CHM 102	4
BASIC STUDIES*	<u>3</u>	BASIC STUDIES*	<u>3</u>
	7		7
YEAR TWO			
Fall Semester	CH	Spring Semester	CH
MAT 261	4	ENG 201	3
PHY 311	4	MAT 335	3
PHY 321	3	MAT 361	3
PHY 335	<u>4</u>	PHY 300	2
	15	PHY 322	3
		BASIC STUDIES*	<u>3</u>
			17
Summer Session I	CH	Summer Session II	CH
BASIC STUDIES*	<u>6</u>	ELECTIVES	<u>6</u>
	6		6
YEAR THREE			
Fall Semester	CH	Spring Semester	CH
PHY 400	2	PHY 412	3
PHY 411	3	PHY 455	3
PHY 444	4	PHY 495	1
ELECTIVES	<u>8</u>	ELECTIVES	<u>9</u>
	17		16

\*All basic studies courses must be selected in accordance with guidelines specified in the undergraduate catalogue.

**TOTAL: 124 HOURS**

**FIVE YEAR B.S. Degree (3+2 Physics/ECE)  
SAMPLE CURRICULUM**

FRESHMAN YEAR (UNCW)

Fall Semester	CH	Spring Semester	CH
ENG 101	3	ENG 201	3
MAT 161	4	MAT 162	4
PHY 201	4	PHY 202	4
CHM 101	<u>4</u>	CHM 102	<u>4</u>
	15		15

SOPHOMORE YEAR (UNCW)

Fall Semester	CH	Spring Semester	CH
E 115 †	1	ECE 109†	3
MAT 361	3	BS (Foreign Language)	3
PHY 321	3	MAT 261	4
PHY 335	4	PHY 322	3
ECE 200	3	BS-HS Elective (History)	<u>3</u>
BS-HS Elective (Social Sci.)	<u>3</u>		16
	17		

JUNIOR YEAR (UNCW)

Fall Semester	CH	Spring Semester	CH
PHY 311	4	PHY 495	1
PHY 444	4	PHY 455	3
PHY 411	3	PHY 412	3
PHY 400	2	ECE 212†	3
ECE 209	<u>3</u>	BS (Soc.Sci.)-HS (Econ)	3
	16	Bio. Sci.-STS Elec. (BIO150)	<u>3</u>
			16

JUNIOR YEAR (NCSU)

Fall Semester	CH	Spring Semester	CH
ECE 211	4	ECE 301	4
ECE 220	3	ECE 302	4
ST 371	3	ENG 331	3
MAT 405	3	BS(FineArts)HS(Per.arts)Elec	3
BS-HS Elective (Literature)	<u>3</u>	COM 110	<u>3</u>
	16		17

SENIOR YEAR (NCSU)

Fall Semester	CH	Spring Semester	CH
BS(PAR)-HS(Other) Elective	3	ECE 480	4
ECE Level 1 Elective	3	ECE Elective	3
ECE Level 1 Elective	3	ECE Elective	3
ECE Level 1 Elective	3	ECE Elective	3
ECE Level 2 Elective	3	Approved Tech. Elective	3
PE 10*	1	PE Elective	<u>1</u>
ECE 380	<u>1</u>		17
	16		

**Notes:** PHY 411 & 412 substitute for ECE 303, and PHY 321 & 322 substitute for statics under the approved elective category. ECE 200 substitutes for PHY 300.

† NCSU distance education course

**TOTAL: 161 HOURS**