

Template for CAA students earning an AS degree							
who are interested in earning a BA/BS degree in Physics							
at the University of North Carolina, Wilmington							
Part I: Complete the AS degree within the NCCCS as outlined.							

Universal General Education Transfer Component

English Composition (6 SCH)							
Prefix	Course Name	Credit Hours	Pre-requisites	University Course Equivalent	Credit Hours	Required by Major	Notes
ENG 111	Writing Inquiry	3		ENG 101	3		Req by CAA
ENG 112	Writing/Research in the Disciplines	3	ENG 111	ENG 201	3		Req by CAA
Total Credit Hours Required		6			6		

Humanities/Fine Arts (6 SCH)							
Students will select two courses from at least two different disciplines.							
Prefix	Course Name	Credit Hours	Pre-requisites	University Course Equivalent	Credit Hours	Required by Major	Notes
ART 114	Art History Survey I	3	None	ARH 201	3		Either ART 114 or ART 115
ART 115	Art History Survey II	3	None	ARH 202	3		Either ART 114 or ART 115
ENG 232	American Literature II	3	None	ENG 224	3		only one of ENG 224 or MUS 116
MUS 112	Introduction to Jazz	3	None	MUS 116	3		only one of ENG 224 or MUS 116
Total Credit Hours Required		6			6		

Social /Behavioral Science (6 SCH)							
Students will select two courses from at least two different disciplines.							
Prefix	Course Name	Credit Hours	Pre-requisites	University Course Equivalent	Credit Hours	Required by Major	Notes
ECO 251	Principles of Microeconomics	3	None	ECO 221	3		
ECO 252	Principles of Macroeconomics	3	None	ECO 222	3		
HIS 111	World Civilizations I	3	None	HIST 101	3		only one of HIS 111 or HIS 112
HIS 112	World Civilizations II	3	None	HIST 102	3		only one of HIS 111 or HIS 112
HIS 131	American History I	3	None	HIST 105	3		only one of HIS 131 or HIS 132
HIS 132	American History II	3	None	HIST 106	3		only one of HIS 131 or HIS 132
PSY 150	General Psychology	3	None	PSY 105	3		
POL 120	American Government	3	None	PLS 101	3		
SOC 210	Introduction to Sociology	3	None	SOC 105	3		
Total Credit Hours Required		6			6		

Mathematics (8 SCH)							
Prefix	Course Name	Credit Hours	Pre-requisites	University Course Equivalent	Credit Hours	Required by Major	Notes
MAT 171	Precalculus Algebra	4		MAT 111	4		
MAT 172	Precalculus Trigonometry	4		MAT 112	4		
MAT 271	Calculus I	4		MAT 161/PHY major requirement	4	XX	Required for PHY degree
Total Credit Hours Required		8			8		

Natural Sciences (8 SCH)							
Prefix	Course Name	Credit Hours	Pre-requisites	University Course Equivalent	Credit Hours	Required by Major	Notes
PHY 251	General Physics I	4		PHY 201	4		PHY major requirement must also take lab
PHY 252	General Physics II	4	PHY 251	PHY 202	4		PHY major requirement must also take lab
Total Credit Hours Required		8			8		

Total UGETC Hours		34			34		
Additional General Education Courses (11 SCH)							
Prefix	Course Name	Credit Hours	Pre-requisites	University Course Equivalent	Credit Hours	Category	Notes
One of the two courses below:							
PHI 215	Philosophical Issues	3	ENG 111	PAR 101	3		
1 > SBS (HST if not above)		3			3	Rec for US	
Two of the following if not taken above:							
CHM 151	General Chemistry I	4		CHM 101	4	Req for major	PHY major requirement must also take lab
CHM 152	General Chemistry II	4	CHM 151	CHM 102	4	Req for major	PHY major requirement must also take lab
MAT 271	Calculus I	4		MAT 161/PHY major requirement	4	Req for major	Required for PHY degree if not taken above
Total Credit Hours Required		11			11		
Total General Education Hours Required		45			45		
Other REQUIRED HOURS (16 SHC)							
ACA 122	College Transfer Success	1		UNI 001	1	GEC	Req by CAA
MAT 272	Calculus II	4		MAT 162	4	GEN ED	Req for major
MAT 273	Calculus III	4		MAT 261	4	GEN ED	Req for major
AST 151/151A	General Astronomy I and Lab	4		PHY 260 + PHY 001	4		PHY 260/PHY major requirement
Recommended Elective Courses:							
CHI 111-112	Elementary Chinese I & II	6	None	CHN 101-102 FL	6	Rec for US	Students encouraged to complete language req before transfer
FRE 111-112	Elementary French I & II	6	None	FRN 111-112 FL	6	Rec for US	Students encouraged to complete language req before transfer
GER 111-112	Elementary German I & II	6	None	GER 101-102 FL	6	Rec for US	Students encouraged to complete language req before transfer
JPN 111-112	Elementary Chinese I & II	6	None	JPN 101-102 FL	6	Rec for US	Students encouraged to complete language req before transfer
Lat 111-112	Elementary Latin I & II	6	None	LAT 101-102 FL	6	Rec for US	Students encouraged to complete language req before transfer
POR 111-112	Elementary Portugese I & II	6	None	PRT 101-102 FL	6	Rec for US	Students encouraged to complete language req before transfer
RUS 111-112	Elementary Russian I & II	6	None	RUS 101-102 FL	6	Rec for US	Students encouraged to complete language req before transfer
SPA 111-112	Elementary Spanish I & II	6	None	SPN 101-102 FL	6	Rec for US	Students encouraged to complete language req before transfer
Other LGS or LDN courses not taken above							
Part II: Complete one of the UNCW Physics Degree Plans							
3th -4th Year Plan for BS Physics Degree at UNCW: BS OPTION 1							
Upon completion of the AS degree outlined above, an AS student will have 61 transferable hours toward a BS Physics degree at UNCW.							
This degree can be completed at UNCW with 67-68 additional hours in hour semesters as outlined below.							
NOTE: THIS PLAN ASSUMES THAT STUDENTS COMPLETED EQUIVALENTS FOR PHY201-202 AND MAT161-162 as part of their AS degree.							

Semester	Course	Hours	Notes			
5	MAT 261 or MAT 335	4	MAT162	Major Requirement (MAT 261 if not taken previously; else final MAT requirement of MAT335)		
5	PHY 335	4	PHY202	Major requirement + IL		
5	PHY 311	3	PHY202	Major requirement		
5	PED 101	1	None	Lifetime Wellness		
5	Minor, TTC, FLL requirement or elective	3		US - TTC, FLL (if needed) Requirement or elective		
5	US LDN or LGS cours as needed-	3		US requirement as needed	18	
6	MAT 361	4	MAT261	Major Requirement		
6	PHY 300	2	PHY202	Major requirement + WI		
6	Minor, TTC, FLL requirement or elective	3		US - TTC, FLL (if needed) Requirement or elective		
6	PHY 455	3	PHY 335	Major requirement		
6	EBC course (e.g. PHY481)	1		EBC course TBD in consultation with adviso/chair		
6	MAT 335 (or Minor, TTC, FLL requirement or elective)	3		Major Requirement; else use credits other US requirement.	16	
7	CHM101 (or Minor, TTC, FLL requirement or elective)	3 or 4		Major Requirement + TTC (modeling) if not completed as part of AS degree; else use credits other US requirement.		
7	PHY 321	3		Major Requirement		
7	PHY 411	4		Major Requirement	16 -17	
7	PHY 400	2	PHY300	Major Requirement + WI		
7	PHY 444	4		Major requirement		
8	PHY 400	2		Major Requirement/WI/Computer Competency		
8	CHM 102 (or Minor, TTC, FLL requirement or elective)	4	CHM 101	Major Requirement if not completed as part of AS degree; else use credits for other US req.		
8	PHY 497	1		Capstone		
8	PHY 322	3		Major requirement		
8	PHY 495	1		Major Requirement		
8	PHY 412	3	PHY411	Major Requirement		
8	Minor, TTC, FLL requirement or elective	3		US - TTC, IL or WI (if needed) Requirement or elective	17	
					67-68	UNCW
					61	transfer
					128-129	hours for graduation

3th -4th Year Plan for BS Physics Degree at UNCW: OPTION 2						
Upon completion of the AS degree outlined above, an AS student will have 61 transferable hours toward a BS Physics degree at UNCW.						
This degree can be completed at UNCW with 63 additional hours in hour semesters as outlined below.						
NOTE: THIS PLAN ASSUMES THAT STUDENTS COMPLETED EQUIVALENTS FOR PHY201-202 AND MAT161-162 as part of their AS degree.						
Semester	Course	Hours		Notes		
5	MAT 261 (or minor, TTC, or other US req.)	4	MAT162	Major Requirement (MAT 261 if not taken previously; else other US req.)		
5	PHY 335	4	PHY202	Major requirement + IL		
5	PHY 311	3	PHY202	Major requirement		
5	PED 101	1	None	Lifetime Wellness		
5	Minor, TTC, FLL requirement or elective	3		US - TTC, FLL (if needed) Requirement or elective		
5	US LDN or LGS cours as needed-	3		US requirement as needed (must also be also WI)	18	
6	MAT 361	4	MAT261	Major Requirement		
6	PHY 455	3	PHY 335	Major requirement		
6	Minor, TTC, FLL requirement or elective	3		US - TTC, FLL (if needed) Requirement or elective		
6	PHY 475	3		Major requirement		
6	PHY 481	1		Major Requirement + EBC + IL		
6	PHY 350	3		Major Requirement; else use credits other US requirement.	17	
7	CHM101 (or Minor, TTC, FLL requirement or elective)	3 or 4		Major Requirement + TTC (modeling) if not completed as part of AS degree; else use credits other US requirement.		
7	PHY 321	3		Major Requirement		
7	PHY 411	4		Major Requirement		
7	PHY 315	3		Major Requirement + EBC + IL		
7	PHY 444	4		Major requirement	17 to 18	
8	PHY 478 or PHY 479 or PHY 480 or GLY 150	3		Major requirement (PHY 475 pre-req for PHY courses; no pre-req for GLY150)		
8	CHM 102 (or Minor, TTC, FLL requirement or elective)	4	CHM 101	Major Requirement if not completed as part of AS degree; else use credits for other US req.		
8	PHY 497	1		Capstone		
8	PHY 477	3		Major requirement		
8	PHY 495 or PHY 493	1		Major Requirement		
8	Other upper level PHY or US requirements as needed	3		Extra hours to complete major or US requirements as needed.		
8	Minor, TTC, FLL requirement or elective	3		US - TTC, FLL (if needed) Requirement or elective	18	
					70 to 71	UNCW
					61	transfer
					131 to 132	hours for graduation
3th -4th Year Plan for BA Physics Degree at UNCW						

Upon completion of the AS degree outlined above, an AS student will have 61 transferable hours toward a BS Physics degree at UNCW.						
This degree can be completed at UNCW with 63 additional hours in hour semesters as outlined below.						
NOTE: THIS PLAN ASSUMES THAT STUDENTS COMPLETED EQUIVALENTS FOR PHY201-202 AND MAT161-162 as part of their AS degree.						
Semester	Course	Hours		Notes		
5	CHM101 (or Minor, TTC, FLL requirement or elective)	3 or 4		Major Requirement + TTC (modeling) if not completed as part of AS degree; else use credits other US requirement.		
5	PHY 335	4		Major Requirement + IL		
5	PHY 260	3	None	Major Requirement		
5	PED 101	1	None	Lifetime Wellness		
5	Minor, TTC, FLL requirement or elective	3		US - TTC, FLL (if needed) Requirement or elective	14-15	
6	CHM 102 (or Minor, TTC, FLL requirement or elective)	4	CHM 101	Major Requirement if not completed as part of AS degree; else use credits for other US req.		
6	PHY 300	2	PHY202	Major requirement + WI		
6	Minor, TTC, FLL requirement or elective	3		US - TTC, FLL (if needed) Requirement or elective		
6	MAT 261 or elective	4		Major Requirement (MAT 261 if not taken previously; else minor, TTC, FFL requirement or elective)		
6	Upper Level PHY elective (if needed) or other electives	3		PHY electives if needed or other hours to reach 124 hour minimum for graduation	16	
7	PHY 321	3		Major Requirement		
7	Upper Level Elective approved for PHY	3 to 4		Required for major (if credits needed)		
7	PHY 315	3		Explorations Beyond The Classroom/PHY Elective		
7	Minor, TTC, FLL requirement or elective	3		US - TTC, FLL (if needed) Requirement or elective		
7	LDN or LGS requirement as needed or elective	3		US - TTC, FLL (if needed) Requirement or elective	15-16	
8	PHY 315	3		Explorations Beyond The Classroom/PHY Elective		
8	Upper Level Elective approved for PHY	3		Required for major (if credits needed)		
8	PHY 497	1		Capstone		
8	PHY 493 or PHY 495	1		Required for major		
8	Upper Level PHY elective (if needed) or other electives	3		PHY electives if needed or other hours to reach 124 hour minimum for graduation		
8	Elective hours to reach 124 minimum	3		Elective hours (if needed) to reach 124 hour minimum for graduation		
8	Elective hours to reach 124 minimum	3		Elective hours (if needed) to reach 124 hour minimum for graduation	17	
					63 to 64	UNCW
					61	transfer
					124 to 125	hours for graduation