

----- Degrees Awarded -----
Degree: Bachelor of Science
Confer Date: 2018-12-19
Degree Honors: Magna Cum Laude
Plan: Physics
Plan: Minor in Mathematics

Degree: Master of Science
Confer Date: 2022-05-07
Plan: Physics

----- Beginning of Graduate Record -----
2019 Fall Term

Plan:	Physics, Master of Science				
Session:	Regular Academic Session				
Course	Description	Attempted	Earned	Grade	Points
PY 599	Spec Top in Phys	1.000	1.000	A-	3.667
	Course Topic: Into to Physics Teaching				
PY 781	Quantum Mechanic I	3.000	3.000	B+	9.999
PY 783	Adv Class Mech I	3.000	3.000	B+	9.999
PY 785	Adv Elec & Mag I	3.000	3.000	A+	12.999
PY 801	Seminar	1.000	1.000	S	0.000
Session:	Eight Week - Second				
Course	Description	Attempted	Earned	Grade	Points
PY 810	Special Topics	1.000	1.000	S	0.000
	Course Topic: Physical Skills				
Term GPA: 3.666	Term Totals:	12.000	12.000	10.000	36.664

2020 Spring Term

Plan:	Physics, Master of Science				
Session:	Regular Academic Session				
Course	Description	Attempted	Earned	Grade	Points
PY 552	Condensed Matter Physics I	0.000	0.000	AU	0.000
PY 721	Stat Phys I	3.000	3.000	S	0.000
PY 782	Quantum Mechani II	3.000	3.000	S	0.000
PY 786	Adv Elec & Mag II	3.000	3.000	S	0.000
PY 801	Seminar	1.000	1.000	S	0.000
Term GPA: 0.000	Term Totals:	10.000	10.000	0.000	0.000
The COVID-19 global pandemic impacted university operations this term, which may be reflected in enrollment and grading outcomes.					

2020 Fall Term

Plan:	Physics, Master of Science				
Plan:	Physics, Doctor of Philosophy				
Session:	Regular Academic Session				
Course	Description	Attempted	Earned	Grade	Points
PY 525	Comp Physics	3.000	3.000	A	12.000
PY 753	Condensed Matter Physics II	3.000	3.000	A	12.000
PY 895	DR Dissertat Res	9.000	9.000	S	0.000
Term GPA: 4.000	Term Totals:	15.000	15.000	6.000	24.000
The COVID-19 global pandemic impacted university operations this term, which may be reflected in enrollment and grading outcomes.					

2021 Spring Term					
Plan:	Physics, Master of Science				
Plan:	Physics, Doctor of Philosophy				
Session:	Regular Academic Session				
Course	Description	Attempted	Earned	Grade	Points
PY 519	Biological Physics	3.000	3.000	A+	12.999
PY 895	DR Dissertat Res	9.000	9.000	S	0.000
Term GPA: 4.000	Term Totals:	12.000	12.000	3.000	12.999
The COVID-19 global pandemic impacted university operations this term, which may be reflected in enrollment and grading outcomes.					

2021 Fall Term					
Plan:	Physics, Master of Science				
Plan:	Physics, Doctor of Philosophy				
Session:	Regular Academic Session				
Course	Description	Attempted	Earned	Grade	Points
BIT 510	Core Technologies	4.000	4.000	A-	14.668
HESA 227	Skin & Scuba Diving II	0.000	0.000	W	0.000
HESS 237	Weight Training	0.000	0.000	AU	0.000
PY 895	DR Dissertat Res	8.000	8.000	S	0.000
Term GPA: 3.667	Term Totals:	12.000	12.000	4.000	14.668

2022 Spring Term					
Plan:	Physics, Master of Science				
Plan:	Physics, Doctor of Philosophy				
Session:	Regular Academic Session				
Course	Description	Attempted	Earned	Grade	Points
PY 590	Spec Top in Phys	1.000	1.000	A-	3.667
	Course Topic: Quantum Optics				
PY 895	DR Dissertat Res	9.000	9.000	S	0.000
Session:	Eight Week - Second				
Course	Description	Attempted	Earned	Grade	Points
BIT 595	Special Topics	2.000	2.000	A	8.000
	Course Topic: Introduction to Biological Ele				
Term GPA: 3.889	Term Totals:	12.000	12.000	3.000	11.667

2022 Fall Term					
Plan:	Physics, Doctor of Philosophy				
Session:	Regular Academic Session				
Course	Description	Attempted	Earned	Grade	Points
PY 895	DR Dissertat Res	3.000	3.000	S	0.000
Term GPA: 0.000	Term Totals:	3.000	3.000	0.000	0.000

2023 Spring Term					
Plan:	Physics, Doctor of Philosophy				
Session:	Regular Academic Session				
Course	Description	Attempted	Earned	Grade	Points
PY 895	DR Dissertat Res	3.000	3.000	S	0.000
Term GPA: 0.000	Term Totals:	3.000	3.000	0.000	0.000

2023 Fall Term					
Plan:	Physics, Doctor of Philosophy				
Session:	Regular Academic Session				
Course	Description	Attempted	Earned	Grade	Points
PY 895	DR Dissertat Res	1.000	1.000	S	0.000
Session:	Eight Week - First				
Course	Description	Attempted	Earned	Grade	Points
BIT 573	Protein Interactions	2.000	2.000	A+	8.666
Term GPA: 4.000	Term Totals:	3.000	3.000	2.000	8.666

----- Graduate Record (Continued) -----						----- Beginning of Undergraduate Record -----					
2024 Spring Term						2015 Fall Term					
Plan:	Physics, Doctor of Philosophy					Plan:	Physics, Bachelor of Science				
Session:	Regular Academic Session					Session:	Regular Academic Session				
Course	Description	Attempted	Earned	Grade	Points	Course	Description	Attempted	Earned	Grade	Points
PY 895	DR Dissertat Res	2.000	0.000		0.000	COS 100	Perspectives in Learning	1.000	1.000	S	0.000
Session:	Eight Week - First					HESF 107	Run Conditioning	1.000	1.000	S	0.000
Course	Description	Attempted	Earned	Grade	Points	MA 242	Calculus III	4.000	4.000	B+	13.332
PY 810	Special Topics	1.000	0.000		0.000	PHI 205	Intro to Philos	3.000	3.000	A-	11.001
	Course Topic: Professional Communications					PY 201	Univ Physics I	4.000	4.000	B	12.000
	Term GPA: 0.000	Term Totals:	3.000	0.000	0.000	Term GPA: 3.303	Term Totals:	13.000	13.000	11.000	36.333
Graduate Career Totals						2016 Spring Term					
	Cum GPA: 3.881	Cum Totals:	85.000	82.000	28.000	108.664	Plan:	Physics, Bachelor of Science			
----- Non-Course Milestones -----						Session:	Regular Academic Session				
Masters Option B Requirements						Course	Description	Attempted	Earned	Grade	Points
2022-05-07 Filed Petition - Completed						MA 341	Appl Diff Eq I	3.000	3.000	B	9.000
Doctoral Preliminary Comprehensive Examination						MA 405	Linear Algebra	3.000	3.000	A-	11.001
2022-12-13 Exam Taken - Pass Unconditional						PY 202	Univ Physics II	4.000	4.000	A	16.000
Doctoral Admission to Candidacy						ST 311	Intro to Statistic	3.000	3.000	A-	11.001
2022-12-13 Exam Taken - Completed						Term GPA: 3.616	Term Totals:	13.000	13.000	13.000	47.002
Doctoral Final Comprehensive Examination						Semester Dean's List					
Doctoral Dissertation						2016 Fall Term					
Non-Thesis						Plan:	Physics, Bachelor of Science				
----- Transfer Credits -----						Session:	Regular Academic Session				
Transfer Credit From: Centrl Piedmont Cmty Coll						Course	Description	Attempted	Earned	Grade	Points
	Transfer Totals:	Attempted	Earned		Points	ENG 333	Commun Sci & Res	3.000	3.000	B+	9.999
		9.000	9.000		0.000	MA 401	Appl Diff Equat II	3.000	3.000	A	12.000
Transfer Credit From: Pamlico Cmty College						PY 203	Univ Physics III	4.000	4.000	B+	13.332
	Transfer Totals:	Attempted	Earned		Points	PY 252	Instrum and Data Analysis	2.000	2.000	A-	7.334
		6.000	6.000		0.000	Session:	Eight Week - First				
----- Test Credits -----						Course	Description	Attempted	Earned	Grade	Points
2015 Fall Term						ENG 105	Writing & Research in the Disc	1.000	1.000	A-	3.667
Course	Description	Attempted	Earned	Grade	Points	Term GPA: 3.564	Term Totals:	13.000	13.000	13.000	46.332
CH 101	Chem Molecular Sci	3.000	3.000	CR	0.000	Semester Dean's List					
CH 102	Gen Chem Lab	1.000	1.000	CR	0.000	2017 Spring Term					
CH 201	Chem-A Quanti Sci	3.000	3.000	CR	0.000	Plan:	Physics, Bachelor of Science				
CH 202	Quant Chem Lab	1.000	1.000	CR	0.000	Session:	Regular Academic Session				
CSC 116	Intro Comp - Java	3.000	3.000	CR	0.000	Course	Description	Attempted	Earned	Grade	Points
HI 252	Modern Amer Hist	3.000	3.000	CR	0.000	ES 100	Intro Environ Sci	3.000	3.000	A	12.000
MA 141	Calculus I	4.000	4.000	CR	0.000	PY 401	Quantum Physics I	3.000	3.000	B	9.000
MA 241	Calculus II	4.000	4.000	CR	0.000	PY 411	Mechanics I	3.000	3.000	B+	9.999
MEA 100	Earth Sys Science	4.000	4.000	CR	0.000	PY 413	Thermal Physics	3.000	3.000	B	9.000
	Test Transfer GPA: 0.000	Transfer Totals:	26.000	26.000	0.000	Term GPA: 3.333	Term Totals:	12.000	12.000	12.000	39.999
						2017 Summer Term 1					
						Plan:	Physics, Bachelor of Science				
						Session:	Summer Five Week Session				
						Course	Description	Attempted	Earned	Grade	Points
						GN 301	Gen in Hum Affairs	3.000	3.000	A	12.000
						Term GPA: 4.000	Term Totals:	3.000	3.000	3.000	12.000

- - - - - Undergraduate Record (Continued) - - - - -					
2017 Summer Term 2					
Plan:		Physics, Bachelor of Science			
Session:		Summer Five Week Session			
<u>Course</u>		<u>Description</u>	<u>Attempted</u>	<u>Earned</u>	<u>Grade</u> <u>Points</u>
SW 312		Multicultural Social Work	3.000	3.000	A+ 12.999
Term GPA: 4.000		Term Totals:	3.000	3.000	3.000 12.999
2017 Fall Term					
Plan:		Physics, Bachelor of Science			
Session:		Regular Academic Session			
<u>Course</u>		<u>Description</u>	<u>Attempted</u>	<u>Earned</u>	<u>Grade</u> <u>Points</u>
PY 402		Quantum Physics II	3.000	3.000	B+ 9.999
PY 412		Mechanics II	3.000	3.000	A 12.000
PY 414		Electromagnetism I	3.000	3.000	A+ 12.999
PY 499		Indep Res in Phys	3.000	3.000	S 0.000
Term GPA: 3.889		Term Totals:	12.000	12.000	9.000 34.998
2018 Spring Term					
Plan:		Physics, Bachelor of Science			
Session:		Regular Academic Session			
<u>Course</u>		<u>Description</u>	<u>Attempted</u>	<u>Earned</u>	<u>Grade</u> <u>Points</u>
MA 402		Math of Scientific Computing	3.000	3.000	A 12.000
MA 518		Geometry Curves and Surfaces	3.000	3.000	C+ 6.999
PY 415		Electromagnetsm II	3.000	3.000	A 12.000
Term GPA: 3.444		Term Totals:	9.000	9.000	9.000 30.999
2018 Fall Term					
Plan:		Physics, Bachelor of Science			
Plan:		Minor in Mathematics			
Session:		Regular Academic Session			
<u>Course</u>		<u>Description</u>	<u>Attempted</u>	<u>Earned</u>	<u>Grade</u> <u>Points</u>
HESA 226		Skin and Scuba Div I	2.000	2.000	S 0.000
PY 495		Special Topics in Physics	3.000	3.000	B 9.000
Course Topic: Senior Design					
Term GPA: 3.000		Term Totals:	5.000	5.000	3.000 9.000
Undergraduate Career Totals					
Cum GPA: 3.548		Cum Totals:	124.000	124.000	76.000 269.662
*****[End of Unofficial Transcript]*****					