

**RANDOLPH COLLEGE**

**Declaration of Major**

**ID:**

NAME:

(Last, First, Middle Initial)

Grad Month:

Grad Year:

<b>Chemical Physics Major - BS</b>		<b>2021-22 Catalog</b>		
<b>Courses</b>	<b>Course Title</b>	<b>Course Hours</b>	<b>Semester of Enrollment</b>	<b>Grade</b>
<b>Required Chemistry Courses:</b>				
CHEM 1105	General Chemistry	3		
CHEM 1105L	General Chemistry Lab	1		
CHEM 1106	General Chemistry	3		
CHEM 1106L	General Chemistry Lab	1		
CHEM 3307	Molecular Quantum Mechanics	3		
CHEM 3307L	Molecular Quantum Mechanics Lab	1		
CHEM/PHYS 3378	Classical and Statistical Thermodynamics	3		
CHEM/PHYS 3378L	Classical and Statistical Thermodynamics Lab	1		
<i>One of the following:</i>		4		
CHEM 2235	Environmental Analytical Chemistry			
CHEM 2235L	Environmental Analytical Chemistry Lab			
CHEM 4425	Inorganic Chemistry			
CHEM 4425L	Inorganic Chemistry Lab			
<b>Required Physics Courses:</b>				
PHYS 1115	General Physics I	3		
PHYS 1115L	General Physics I Lab	1		
PHYS 1116	General Physics II	3		
PHYS 1116L	General Physics II Lab	1		
PHYS 2251	Modern Physics	4		
<i>Two of the following:</i>		8		
PHYS 3331	Electronics Lab			
PHYS 3332	Advanced Physics Lab			
PHYS 3341	Classical Mechanics			
<b>Required Math Courses:</b>				
MATH 2250	Calculus III	4		
<i>One of the following:</i>		4		
MATH 3331	Differential Equations			
PHYS 3301	Diff Eq for Sci/Eng			
<b>Senior Program: One of the following</b>				
CHEM 3391	Graduate and Professional Development	1		
CHEM 3392	Information Literacy and Digital Competence	1		
CHEM 4496	Laboratory Research	1-2		
CHEM 4499	Senior Capstone	1		
OR				

PHYS 494	Senior Research	1 or 3		
PHYS 495	Senior Seminar I	0.5		
PHYS 496	Senior Seminar II	0.5		
<b>Total for BS in Chemical Physics</b>		<b>50-53</b>		

\*Specify the courses you are using to fulfill the requirement, transfer courses or another course you are being allowed to substitute. Note: The Request for Substitution of Major/Minor Requirement Form must be completed for substituted courses.

I understand that I am responsible for successfully completing all courses listed by the end of my final year with a minimum GPA of 2.0 (rounded), for determining that scheduling will allow me to fulfill requirements, and for obtaining approval for any courses taken at another institution to count toward the major.

Signature of Student

Date

**For Declaration of Major:** Successful completion of the courses listed above satisfies major requirements.

Department Chair/Program Coordinator

Advisor will be