

The recommended four-year plan is designed to provide a blueprint for students to complete their degrees within four years. These plans are the recommended sequences of courses. Students will work with their Academic Advisor to develop a more individualized plan to complete their degree.

This recommended Four-Year Plan is applicable to students admitted during the 2019-2020 academic year.

Total Credits Required: 120 credits

Required GPA for Graduation: 2.0 (overall and in the hours used to satisfy Area F and the major)

Legend is available on the last page of this document.

<b>Year 1</b>											
<b>Fall</b>				<b>Spring</b>				<b>Summer</b>			
<b>Course</b>	<b>Title</b>	<b>Hours</b>	<b>Area</b>	<b>Course</b>	<b>Title</b>	<b>Hours</b>	<b>Area</b>	<b>Notes</b>			
PHYS 0001	First Year Academic Seminar	1		PHYS 2211	Principles of Physics I	3	D/F	Summer is a good time to get ahead on courses. Several core courses are offered online over the summer.			
PHYS 1012	Techniques in Physics II	3	F	PHYS 2211L	Principles of Physics I Lab	1	D/F				
MATH 1261	Calculus I	4	A	MATH 1262	Calculus II	4	D				
ENGL 1101	English Composition I	3	A	ENGL 1102	English Composition II	3	A				
GC1Y 1000	Critical Thinking	3	B	CHEM 1211K	Principles of Chemistry I	4	F				
<b>Total</b>		<b>14</b>		<b>Total</b>		<b>15</b>					
<b>Area A and GC1Y 1000 must be completed by 30 earned hours. PHYS 0001 does not count toward the 120 credit hour graduation requirement.</b>											
<b>Year 2</b>											
<b>Fall</b>				<b>Spring</b>				<b>Summer</b>			
<b>Course</b>	<b>Title</b>	<b>Hours</b>	<b>Area</b>	<b>Course</b>	<b>Title</b>	<b>Hours</b>	<b>Area</b>	<b>Notes</b>			
PHYS 2920	Sophomore Seminar*	0	Major	MATH 4340	Differential Equations	3	Major	Summer is a good time to get ahead on courses. Several core courses are offered online over the summer.			
PHYS 2212	Principles of Physics II	3	D/F	PHYS 3005	Mechanics**	3	Major				
PHYS 2212L	Principles of Physics II Lab	1	D/F	PHYS 3100L	Electronics Lab**	1	Major				
MATH 2263	Calculus III	4	Major	GC2Y 2000	Global Perspectives	4	B				
MATH 2150	Linear Algebra	3	Major	Core Choice	Area C2: Fine Arts	3	C				
Core Choice	Area C1: Humanities & Ethics	3	C	Elective	Any 1000-4000 electives	2	Elective				
Elective	Any 1000-4000 electives	2	Elective								
<b>Total</b>		<b>16</b>		<b>Total</b>		<b>16</b>					
<b>Apply for REU's, Study Abroad, or Internship in the Fall. GC2Y 2000 must be completed by 60 earned hours. *Only offered in the Fall **Only offered in the Spring</b>											

Year 3										
Fall				Spring				Summer		
Course	Title	Hours	Area	Course	Title	Hours	Area	Notes		
PHYS 3920	Physics Seminar I*	0	Major	PHYS 4999	Research	0	Major			
PHYS 3010	Modern Physics*	3	Major	PHYS 3321	Introduction to Quantum Physics**	3	Major			
PHYS 3100	Electricity & Magnetism*	3	Major	PHYS 4100	Advanced Electricity & Magnetism**	3	Major			
PHYS 3600L	Advanced Skills Lab*	3	Major	PHYS 4600L	Advanced Physics Lab**	3	Major			
Foreign Lang.	FORL 1001 or Electives	3	Elective	Foreign Lang.	FORL 1002	3	Major			
Elective	Any 1000-4000 electives	3	Elective	Core Choice	Area E: Social Science Choice 1	3	E			
<b>Total</b>		<b>15</b>		<b>Total</b>		<b>15</b>				
<b>Apply for REU's, Study Abroad, or an Internship in the Fall. *Only offered in the Fall **Only offered in the Spring</b>										
Year 4										
Fall				Spring				Summer		
Course	Title	Hours	Area	Course	Title	Hours	Area	Notes		
PHYS 4999	Research	0	Major	PHYS 4920	Senior Seminar**	0	Major	<b>Capstone Course Options:</b> <b>ASTR:</b> 3020, 3040 <b>CHEM:</b> 4212, 4212L <b>MATH</b> 4081, 4261, 4262, 4300, 4650 <b>PHYS:</b> 3001, 3002, 3311, 4251, 4261, 4900		
PHYS 4321	Advanced Quantum Physics*	3	Major	PHYS 4999	Research	0	Major			
PHYS 3140	Thermodynamics*	3	Major	PHYS 4140	Statistical Mechanics**	3	Major			
Capstone	Capstone Course	3	Major	Capstone	Capstone Course	3	Major			
Core Choice	Area E: Social Science Choice 2	3	Major	Capstone	Capstone Course	3	Major			
Core Choice	Area E: Social Science Choice 3	3	Major	Capstone	Capstone Course	3	Major			
				Elective	Any 1000-4000 electives	3	Elective			
<b>Total</b>		<b>15</b>		<b>Total</b>		<b>15</b>				
<b>Visit graduate schools or apply for jobs during this year. *Only offered in the Fall **Only offered in the Spring</b>										

**Legend**

**Area** This section of the plan references the area of the curriculum the course fulfills.

- A=Core Area A: Communication and Quantitative Skills
- B=Core Area B: Institutional Options
- C=Core Area C: Humanities and Fine Arts
- D=Core Area D: Science, Technology, and Math
- E=Core Area E: Social Sciences
- F=Core Area F: Major Directed Core
- Major=Major Required Course
- Elective=a course a student chooses to help meet overall graduation hours.