

Course ID	Course Title	Credit hours	Core Requirement	Important Notes	Term Taken
<b>Year One: Fall 12 week (12 credit hours)</b>					
<b>FRCL 10101</b>	<b>First Year Colloquium</b>	4			
MATH 19800	Calculus I	4	<b>MM</b>		
PHYS 21300	Fundamentals of Physics I	4	<b>SM</b>		
<b>Year One: Fall 3 week (3-4 credit hours)</b>					
	Core Requirement or Elective	3-4	<b>ES</b>		
<b>Year One: Spring 12 week (12 credit hours)</b>					
<b>FSEM 10201</b>	<b>First Year Seminar</b>	4			
MATH 19900	Calculus II	4	<b>MM</b>		
PHYS 21400	Fundamentals of Physics II	4	<b>SM</b>		
PHYS 15000	Introduction to Laboratory Instruments	1			
<b>Year One: Spring 3 week (3 credit hours)</b>					
MATH 21800	Linear Algebra	3			
<b>Year One: Summer (10 hours)</b>					
	<b>Core Requirement</b>	<b>3-4</b>	<b>UD</b>		
	<b>Core Requirement</b>	<b>3-4</b>	<b>CM</b>		
	<b>Core Requirement</b>	<b>3-4</b>	<b>MM</b>		
<b>Year Two: Fall 12 week (12 credit hours)</b>					
MATH 20000	Calculus III	4			
PHYS 32000	Modern Physics	4			
PHYS 22500	Electronics	4	<b>SM</b>	See Note 1	
<b>Year Two: Fall 3 week (3 credit hours)</b>					
PHYS 33000	Mechanics	3		See Note 2	
<b>Year Two: Spring 12 week (13 credit hours)</b>					
PHYS 35000	Quantum Physics	4		See Note 3	
CPSC 17000	Java Supplement	1			
CPSC 17200	Introduction to Programming	4			
	Elective	4			
<b>Year Two: Spring 3 week (3 credit hours)</b>					
PHYS 44000	Advanced Lab	3		See Note 4	
<b>Year Two: Summer (10 hours)</b>					
	<b>Core Requirement</b>	<b>3-4</b>	<b>IM</b>		
	<b>Core Requirement</b>	<b>3-4</b>	<b>ES</b>		
	<b>Core Requirement or Connect Experience</b>	<b>3-4</b>	<b>Connect Experience</b>		
<b>Year Three: Fall 12 week (11-12 credit hours)</b>					
<b>10100</b>	<b>Foreign Language Requirement</b>	<b>4</b>	<b>FL</b>		
	Physical Chemistry I	4			
	<b>Core Requirement</b>	<b>3-4</b>	<b>TT INTD</b>		
<b>Year Three: Fall 3 week (3 credit hours)</b>					
MATH 24300	Differential Equations	3			
<b>Year Three: Spring 12 week (11-12 credit hours)</b>					
<b>10200</b>	<b>Foreign Language Requirement</b>	<b>4</b>			
PHYS 36000	Electromagnetic Theory	4			
	<b>Elective</b>	<b>3-4</b>			
<b>Year Three: Spring 3 week (3-4 credit hours)</b>					
	<b>Elective</b>	<b>3-4</b>			

Year Three:	Summer (10 credit hours)				
	<b>Core Requirement:</b>	<b>3-4</b>	<b>INTD</b>		
	<b>Core Requirement</b>	<b>3-4</b>	<b>EW</b>		
	<b>Core Requirement</b>	<b>3-4</b>	<b>CA</b>		

Minimum Total Program Hours	Minimum Required Major GPA	Minimum Required Cumulative GPA
120	2.00	2.00

Hiram Core: Ways of Knowing Category	Qualifying Course(s) in Program	Fulfilled or Required	Term Taken
Creative Methods (CM)		Required	
Interpretive Methods (IM)		Required	
Modeling Methods (MM)	MATH 19800, MATH 19900	Required	
Scientific Methods (SM)	PHYS 21300, PHYS 21400	Required	
Social and Cultural Analysis (CA)		Required	
Experiencing the World (EW)		Required	
Understanding Diversity (UD)		Required	
Meaning, Ethics and Social Responsibility (ES)		Required	
Interdisciplinary Requirement		Required	
Team Taught Interdisciplinary Requirement		Required	
Foreign Language Requirement		Required	

**Note 1** – PHYS 22500 is taught in alternate years. This might be open for an elective or foreign language instead between year two and year three.

**Note 2** – PHYS 33000 and MATH 24300 are taught in alternate years. These courses may need to be switched between year two and year three.

**Note 3** – PHYS 35000 and PHYS 36000 are taught in alternate years. These courses may need to be switched between year two and year three.

**Note 4** – PHYS 44000 is taught in alternate years. This might be open for any core requirement instead between year two and year three.

**PATHWAY NOTE:** This is a recommended Major Pathway; individual pathways may vary. Advisor consultation is a vital part of timely graduation.

Students placing out of the foreign language requirement should take an elective, second major course, or minor course.

Fully online courses may be required to complete the program.

An elective may replace the core requirement if the core is met by the major.

Students must fulfill all Hiram College graduation requirements. The minimum total semester credit hours for graduation is 120.

Students who enter with transfer or other credit hours should have those credits evaluated by the registrar towards fulfillment of listed requirements. (See Hiram College Transfer Policy)

To complete in three years, students must adhere to the degree path described in this pathway. While variation may occur due to transfer credit, should a student fail to register for or complete required courses or required summer credit hours, the student may still continue at Hiram College, but forfeits a guarantee of course offerings and summer tuition reduction.

Having begun a 3-year pathway, a student who chooses to change the incoming major may still continue at Hiram College, but forfeits a guarantee of course offerings and summer tuition reduction