PHYSICS | BACHELOR OF SCIENCE: PHYSICS

Degree Maps

Course Freshman Fall	Title	Hours
SGE030 - Math Statis	etics Discipling Area	
MATH 234	Analytic Geometry and Calculus I ^{1, GE}	_
SGE010 - English Dis		5
SGE020 - Communic		3
UNIV 101	Freshman Seminar	1
PHYS 100	Introduction to Physics and Engineering	3
F1113 100	Hours	
Spring	Hours	15
	ally Designated Area: Personal and Professional Development	3
MATH 235	Analytic Geometry and Calculus II	5
SGE010 - English Dis		3
PHYS 211	Engineering Physics I	4
PHYS 211L		1
FIII3ZIIL	Engineering Physics I Laboratory Hours	16
Sophomore Fall	nouis	10
	avioral Sciences Discipline Area	2
MATH 236	· ·	3
PHYS 333	Analytic Geometry and Calculus III	
PHYS 212	Introduction to Computational Physics Engineering Physics II	3
PHYS 212L	Engineering Physics II Laboratory	1
PHYS 221	Statics	3
	Hours	17
Carina	Hours	17
Spring CHEM 120	University Chemistry I	5
& 120L	University Chemistry I and University Chemistry Laboratory I	J.
PHYS 313	Modern Physics	3
MATH 354	Differential Equations	3
PHYS 331	Electronic Circuits	3
	Hours	14
Junior	110410	
Fall		
PHYS 332	Analog and Digital Electronics	3
PHYS 620	Mathematics for the Physical Sciences	3
PHYS 632	Electricity and Magnetism	3
PHYS 603	Projects I	1
Directed Electives	110,000	3
SGE060 - Arts Human	nities Discipline Δrea	3
- SOLOGO ARTSTIGINA	Hours	16
Spring	riouis	10
PHYS 621	Mechanics	3
PHYS 672	Thermal Physics	3
PHYS 651	,	2
PHYS 603	Advanced Physics Laboratory I	1
MATH 240	Projects I Linear Algebra	3
	-	
SGEUSU - SUCIAI BENA	avioral Sciences Discipline Area Hours	3 15
0	Hours	15
Senior Fall		
	Literacy Requirement	0
-	n Literacy Requirement	3
PHYS 654	Advanced Physics Laboratory II	2
PHYS 677	Quantum Mechanics I	3

	Total Hours	120
	Hours	10
PHYS 603	Projects I	3
PHYS 678	Quantum Mechanics II	3
PHYS 652	Optics	3
PHYS 675	Senior Seminar	1
Spring		
	Hours	17
Directed Electives		2
SGE060 - Arts Hum	3	
PHYS 105	Critical Thinking for Scientists ^{1, GE}	3
SGE070 - Institution	nally Designated Area: Critical Thinking	
PHYS 603	Projects I	1

Academic Degree Maps are term-by-term sample course plans that specify milestones, courses, and special requirements that are necessary for facilitating on-time completion. Degree Maps are *examples* and are not prescriptive. Individualized choices such as concentration options, transfer credits, optional minors, advisory programs (certificates), etc. can alter the recommended coursework. Course offerings are subject to change. Students should consult with their academic advisors for additional guidance on course planning.

To determine courses to take in the directed choices (often listed as Program Elective Course) and directed elective course blocks see the overview tab for courses. To locate approved courses in General Education areas (Undergraduate Programs) see the general education section (https://catalog.fhsu.edu/general-education/) of the catalog.

The undergraduate course maps typically advise the most efficient route for students to complete the general education requirements. Courses that are required in the major may be listed as fulfilling relevant general education requirements. This will result in more open elective course hours in some maps than is listed on the degree overview page.