

Major: Bachelors of Science in Physics

September 2026

Credits required for graduation: 120

Writing and Integrative Studies - University Requirement: (20 credits)			
WRA 101-4 _____ or LB 133-4 _____		ISS 2XX _____-4 ISS 3XX _____-4	IAH 201-210 -4 _____ IAH 211 or greater-4 _____
Note: ISS/IAH courses must be in at least 2 different Diversity Designations (N, I, D)			
Math (14 credits)	Physics (34 -35 credits)	Honors	Lyman Briggs
MTH 132-3 _____ F S U MTH 133-4 _____ F S U MTH 234-4 _____ F S U MTH 235-3 _____ F S U OR MTH 152H-3 _____ F MTH 153H-4 _____ F S MTH 254H-4 _____ F S MTH 235-3 or MTH 340-3 _____ F S OR LB 118-4 _____ F S LB 119-4 _____ F S LB 220-4 _____ F S MTH 235-3 _____ F S U	PHY 183-4 _____ F S U OR PHY 184-4 _____ F S U OR CMSE 201-4 _____ F S PHY 191-1 _____ F PHY 192-1 _____ S PHY 215-3 _____ F S PHY 321-3 _____ F S PHY 440-4 _____ F S lab -OR- PHY 431-3 _____ S lab PHY 451-3 _____ F S PHY 471-3 _____ F PHY 481-3 _____ F PHY 410-3 _____ S	PHY 193H-4 _____ F OR PHY 294H-4 _____ S OR	LB 273-4 _____ F LB 274-4 _____ S (LB courses above include lab)
6 credits of Additional required Math Courses 300+ or higher			
MTH 3XX or 4XX-3 _____ F S U and MTH 3XX or 4XX-3 _____ F (Ex: MTH/CMSE 314 & PHY 415)			
** Some 300+ level courses require MTH299 as a prerequisite; please review your options carefully when choosing your courses. MTH299 does NOT qualify as a 300+ level course ***			
Bioscience Requirement (3-4 credits)			
College of Natural Science & PHY degree requirement *ISB is not accepted by Honors College			
One of the following below:			
ISB 2**-3 _____ F S U BS 161-3 _____ F S U	ENT 205-3 _____ F S PSL 250-4 _____ F S U	IBIO 150- 3 _____ F MGI 201-3 _____ F S	PLB 105-3 _____ F S MGI 141-3 _____ F S
Chemistry Requirement (ISP alternative track) - 9 credits			
One of the following below:			
Chemistry - Inorganic	or	Honors	or Lyman Briggs
CEM 141-4 _____ F S U CEM 142-4 _____ F S U CEM 161-1 _____ F S U lab	CEM 151-4 _____ F CEM 152-4 _____ S CEM 161-1 _____ F S U lab	CEM 181H-4 _____ F CEM 182H-4 _____ S CEM 185H-2 _____ F lab	LB 171-4 _____ F LB 171L-1 _____ F LB 172-3 _____ S
Capstone (2 required) - 6 credits		- OR - Thesis track* - 2 semesters	
Lecture track (2 required) PHY 491-3 _____ F PHY 492-3 _____ S PHY 493-3 _____ S PHY 494-3 _____ F ODD Yr		Thesis track (2 semesters: Prior approval required - capstone track is recommended.) PHY 490-2 _____ F S PHY 490-2 _____ F S *Approval Required via PHY 490 form	
Optional Physics Course - suggested course if planning on attending graduate school		Electives ~ 27 credits needed to reach 120 credits for graduation	
*PHY 422-3 _____ F *PHY 472-3 _____ S *PHY 482-3 _____ S		College of Natural Science Elective List	

If at any time you need additional assistance, please contact Joyce Mathew, samueljo@msu.edu, or go to <https://pa.msu.edu/undergraduate-program/academic-advising.aspx>