

Physics B.S.

Suggested Course Sequence Sheet (2023-2024)

First Year

Autumn			Winter			Spring		
PHY1121	Intro Phys I	5	PHY 1122	Intro Phys II	5	PHY 1123	Intro Phys III	5
MAT 1234	Calc I	5	MAT 1235	Calc II	5	MAT 1236	Calc III	5
UCOL	Colloquium	1						
Any Quarter								
WRI 1000, WRI 1100, UFDN 1000								

Second Year

Autumn			Winter			Spring		
PHY 2321	Intermediate	5	PHY 3312	Exp Methods II	3	PHY 3313	Exp Methods III	3
PHY 3311	Exp Methods I	3	MAT 3227	Diff Eq	3	MAT 2401	Lin Alg	3
MAT 3238	Vector Calc	3						
PHY 4520	LA Sem	2	PHY 4520	LA Sem	2	PHY 4520	LA Sem	2
Any Quarter								
UFDN 2000, UCOR 2000								

Third Year

Autumn			Winter			Spring		
PHY 3315	EM I	3	PHY 4311	Optics*	5	PHY 4330	QM II	3
EGR 3611	ASE I	5	PHY 3340	QM I	3	ME 3400	Dynamics	5
				Math Elective	(3)	PHY 3011	Climate Change	5
Any Quarter								
UFDN 3100, UCOR 3000								

Fourth Year

Autumn			Winter			Spring		
PHY 4899	Capstone	1	PHY 4899	Capstone	1	PHY 4315	E&M II	3
ME 3500	Thermo	5	PHY 3401	Thermo & Stat	3	PHY 3110	Mech Modeling	3
						PHY 4970	Research	2
Any Quarter								

* Optics is an elective course but is strongly recommended

Blue shaded courses are taught every other year

Orange text PHY 4315 OR 4330 is required for the B.S. The other will count as an elective.

Green text These are examples of elective courses taken for B.S. 14 credits required

Sophomore through Senior Year

WE course	(3)	WK Arts	5
CUE course	(3)	WK Humanities	5
		WK Social Science	5

PHY 3011 Global Climate Change can count as a WE course OR and UD elective but not as both unless a student is a double major AND PHY 3011 is not required for the other major.