

# Physics - Concentration A: Research (BS) Four-Year Plan

## Physics, Concentration A: Research - Bachelor of Science 2020-21 Four-Year Plan

Freshman			
First Term	Hours	Second Term	Hours
ENGL 110C (Grade of C or better required)	3	MATH 212	4
MATH 211	4	PHYS 261N	4
CHEM 121N and CHEM 122N	4	CHEM 123N and CHEM 124N	4
Elective or Language & Culture I (May be waived; See requirement details)	3	ELective or Language & Culture II (May be waived; See requirement details)	0-3
		14	12-15
Sophomore			
First Term	Hours	Second Term	Hours
ENGL 211C or ENGL 231C (Grade of C or better required)	3	PHYS 319	3
MATH 312 or MATH 285	4	CS 150	4
PHYS 262N	4	MATH 307 or MATH 280	3
Information Literacy and Research: CS 120G or CS 121G or OEAS 130G	3	PHYS 120 or PHYS 309 or ECE 111*	1-2
Oral Communication	3	Human Creativity	3
		Interpreting the Past	3
		17	17-18
Junior			
First Term	Hours	Second Term	Hours
PHYS 355	3	PHYS 413	3
PHYS 303	3	PHYS 453	3
PHYS 323	3	PHYS 499W or PHYS 489W & PHYS 490W* (Grade of C or better required)	3
PHYS 425	3	MATH 316 or MATH 401 or MATH 421 or MATH 422	3

Literature	3	Human Behavior	3
		15	15
Senior			
First Term	Hours	Second Term	Hours
PHYS 452	3	PHYS 456	3
PHYS 313 or PHYS 411 or PHYS 415 or PHYS 416 or PHYS 417*	3	PHYS 454	3
PHYS 420	3	PHYS 313 or PHYS 411 or PHYS 415 or PHYS 416 or PHYS 417*	3
undefined		Philosophy and Ethics	3
Upper-Division General Education Course (Option D)*	3	Upper-Division General Education Course (Option D)*	3
		12	15
Total credit hours: 117-121			

\*This is a suggested curriculum plan to complete this degree program in four years. Please consult information in this Catalog, Degree Works, and your academic advisor for more specific information on course requirements for this degree.