

DEGREE PLANNING GUIDE: 2018-19

PHYSICS BA (recommended courses starting with MATH 114)

This suggested schedule is a great planning resource but it is critical that you discuss your specific academic plans with a physics advisor. If you don't have a physics advisor the Physics Departmental Chair would be happy to talk over your options.

First year (<28 credits)	Sophomore (28-59 credits)	Junior (60-91 credits)	Senior (92+ credits)
Semester 1 PHYS 154 PHYS 211 MATH 114	Semester 1 PHYS 215 MATH 210	Semester 1 ENGR 240 or ENGR 350	Semester 1 PHYS elective
Semester 2 PHYS 212 CICS 131 MATH 200	Semester 2 PHYS 225 PHYS 323(odd spring)	Semester 2 PHYS 323(odd spring)	Semester 2 PHYS elective

Requirements for Degree

Program Core Courses

PHYS 211 Introduction to Classical Physics I (fall, spring, summer)
 PHYS 212 Introduction to Classical Physics II (fall, spring, summer)
 PHYS 215 Foundations of Modern Physics (fall)
 PHYS 225 Applications of Modern Physics (spring)
 PHYS 323 Methods of Experimental Physics (odd spring)

Plus twelve physics credits PHYS 150 or greater

Electives

PHYS 154 Astronomy for Scientists (fall)
 PHYS 325 Methods of Computational Physics (even spring)
 PHYS 331 Theoretical Mechanics (even fall)
 PHYS 341 Electricity and Magnetism (fall)
 PHYS 342 Electromagnetic Waves (spring)
 PHYS 347 Optics (fall)
 PHYS 354 Astrophysics (odd fall)
 PHYS 410 Statistical Mechanics (even spring)
 PHYS 431 Quantum Mechanics (odd spring)

Allied Requirements

MATH 113 Calculus I
 MATH 114 Calculus II
 MATH 200 Multi-variable Calculus
 MATH 210 Intro to Differential Eq. & Systems

ENGR 240 Circuit Analysis

or

ENGR 350 Introduction to Electronics

CISC 131 Introduction to Programing and Problem Solving (*recommended*)

or

CISC 130 Introduction to Programing and Problem Solving in the Sciences

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PHYSICS BA (recommended courses starting with MATH 108)

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First year (<28 credits)	Sophomore (28-59 credits)	Junior (60-91 credits)	Senior (92+ credits)
Semester 1 PHYS 154 MATH 108	Semester 1 PHYS 211 MATH 114	Semester 1 PHYS 215 ENGR 240 or ENGR 350 MATH 210	Semester 1 PHYS elective
Semester 2 CICS 131 MATH 109	Semester 2 PHYS 212 MATH 200	Semester 2 PHYS 225 PHYS 323(odd spring)	Semester 2 PHYS elective PHYS 323(odd spring)

Requirements for Degree

Program Core Courses

- PHYS 211 Introduction to Classical Physics I (fall, spring, summer)
- PHYS 212 Introduction to Classical Physics II (fall, spring, summer)
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- PHYS 225 Applications of Modern Physics (spring)
- PHYS 323 Methods of Experimental Physics (odd spring)

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