

# REQUIREMENTS FOR THE MINOR DODGE FAMILY COLLEGE OF ARTS AND SCIENCES THE UNIVERSITY OF OKLAHOMA

| Academic Year   |
|---|
| For Students Entering the Oklahoma State System for Higher Education<br>Summer 2025 through Spring 2026 |

| General Requirements                 |
|--------------------------------------|
| Minimum Total Credit Hours ..... 22  |
| Minimum Upper-Division Hours ..... 9 |

| Program |
|---------|
| Physics |
| N780    |
| Minor   |

- The requirements for a minor must be completed concurrently with the major degree requirements.
- No minor may be added by completing courses after receiving the bachelor's degree.

At least six (6) credit hours must be earned in courses acceptable for residence credit by standards set forth by the Dodge College of Arts and Sciences, excluding transfer, correspondence, and examination (AP, CLEP, Advanced Standing) credit. Courses for the minor may not be taken Pass/No Pass.

**No single course may be used by a student to satisfy a major requirement and a minor requirement.** A course may be used, however, to satisfy both a major support requirement and a minor requirement.

Requests to substitute a minor requirement must be approved in writing by the Department of Physics & Astronomy.

## REQUIRED COURSES

Students must successfully complete at least 22 hours of courses acceptable for major credit in Physics, including at least nine (9) hours at the upper-division level.

| Code                         | Title  | Credit Hours |
|------------------------------|--|--------------|
| PHYS 1205                    | Introductory Physics I for Physics Majors <sup>1</sup>   | 5            |
| PHYS 1215                    | Introductory Physics II for Physics Majors <sup>1</sup>  | 5            |
| PHYS 2203<br>or PHYS 3223    | Introductory Physics III: Modern Physics<br>Modern Physics for Engineers                                     | 3            |
| PHYS 3043                    | Physical Mechanics I   | 3            |
| Choose one of the following: |  | 3            |
| PHYS 3053                    | Physical Mechanics II  |              |
| PHYS 3183                    | Electricity and Magnetism I  |              |
| PHYS 3803                    | Introduction to Quantum Mechanics I  |              |
| Choose one of the following: |  | 3-6          |
| MATH 3113<br>& MATH 3333     | Introduction to Ordinary Differential Equations<br>and Linear Algebra I (both courses, 6 hours) <sup>2</sup> |              |
| MATH 3413                    | Physical Mathematics I (one course, 3 hours) <sup>2</sup>  |              |
| <b>Total Credit Hours</b>    |  | <b>22</b>    |

- <sup>1</sup> PHYS 1205 and PHYS 1215 may be replaced by PHYS 2514 and PHYS 2524. If completing PHYS 2514 and PHYS 2524, students must also complete either PHYS 1311 and PHYS 1321 or PHYS 2303 or PHYS 3302.
- <sup>2</sup> These MATH courses are acceptable for the minor although they do not meet the major credit requirement.

- Minors in the Dodge College of Arts & Sciences are available to all undergraduate students at OU. If the minor is officially declared, successfully completed, and noted on the graduation application, the student's transcript will so indicate at the time the bachelor's degree is posted.

More information in the catalog: (<http://ou-public.courseleaf.com/dodge-arts-sciences/dodge-physics-astronomy/physics-minor/>).