

## Table of Contents

LaGrange College.....	1
Course Catalog - Physics.....	1
PHYS 1101 - Introductory Physics I.....	1
PHYS 1102 - Introductory Physics II.....	1
PHYS 2121 - General Physics I.....	2
PHYS 2122 - General Physics II.....	2

## LaGrange College

### Course Catalog - Physics

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#### PHYS 1101 - Introductory Physics I

A non-calculus-based introduction to kinematics, dynamics, energy, momentum, rotational dynamics, fluid mechanics, periodic motion, wave mechanics, and thermodynamics. Physics is a science of measurement, testing, and experimentation— inquiry-based laboratories make physics come to life!

**Grade Basis:** L

**Credit hours:** 4.0

**Lecture hours:** 3.0

**Lab hours:** 3.0

**Prerequisites:**

- [MATH 1221](#) - Precalculus
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#### PHYS 1102 - Introductory Physics II

A continuation of PHYS 1101 and an introduction to electricity and magnetism, electric circuits, and light and optics. Physics is a science of measurement, testing, and experimentation— inquiry-based laboratories make physics come to life!

**Grade Basis:** L

**Credit hours:** 4.0

**Lecture hours:** 3.0

**Lab hours:** 3.0

**Prerequisites:**

- [PHYS 1101](#) - Introductory Physics I

**Restrictions:**

- Offered in Spring terms
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## **PHYS 2121 - General Physics I**

A calculus-based introduction to dynamics, energy, momentum, rotational dynamics, fluid mechanics, periodic motion, wave mechanics, and thermodynamics. Physics is a science of measurement, testing, and experimentation—inquiry-based laboratories make physics come to life!

**Grade Basis:** L

**Credit hours:** 4.0

**Lecture hours:** 3.0

**Lab hours:** 3.0

**Restrictions:**

- MATH2222 must be Prerequisite or Corequisite
  - Offered in Fall terms
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## **PHYS 2122 - General Physics II**

A continuation of PHYS 2121, covering electricity and magnetism, electric circuits, and light and optics. Physics is a science of measurement, testing, and experimentation—inquiry-based laboratories make physics come to life!

**Grade Basis:** L

**Credit hours:** 4.0

**Lecture hours:** 3.0

**Lab hours:** 1.0

**Prerequisites:**

- [PHYS 2121](#) - General Physics I

**Restrictions:**

- Offered in Spring terms
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**LaGrange College**

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