

**From:** [Christine Okialda](#)  
**To:** [Chris Vanni](#); [Jon Satko](#)  
**Cc:** [Dustin Acres](#); [Judy Fallert](#)  
**Subject:** Re: AP Physics 1 & 2  
**Date:** Wednesday, September 13, 2023 1:23:58 PM  
**Attachments:** [image.png](#)  
[image.png](#)  
[Outlook-bffa3ybm.png](#)  
[Outlook-zkfac304.png](#)  
[image.png](#)  
[Outlook-3muxmakh.png](#)

Thank you for the update. This is how it will be presented to the Curriculum Committee:

Physics 1	3, 4, or 5	N/A	4	Area 5A	B1 and B3	5A and 5C
Physics 2	3, 4, or 5	PHYS P102B	4	Area 5A	B1 and B3	5A and 5C
Physics 1 & 2	3, 4 or 5	PHYS P102A & PHYS P102B	8	Area 5A	B1 and B3	5A and 5C
Physics C Mechanics	3, 4 or 5	PHYS P104A	4	Area 5A	B1 and B3	5A and 5C
Physics C Electricity/ Magnetism	3, 4 or 5	N/A	4	Area 5A	B1 and B3	5A and 5C



**Christine Okialda, M.S.**  
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**From:** Chris Vanni <cvanni@portervillecollege.edu>  
**Sent:** Tuesday, September 12, 2023 7:20 PM  
**To:** Christine Okialda <christine.okialda@portervillecollege.edu>  
**Subject:** Fw: AP Physics 1 & 2

Hi Christine,

Please see Jon's recommendation below as to which AP Physics tests correspond with PC's Physics courses. I hope this makes sense. If you have any questions, just let me know.

Be Well,  
Chris



**Chris Vanni**

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**From:** Jon Satko <jsatko@portervillecollege.edu>

**Sent:** Tuesday, September 12, 2023 6:46 PM

**To:** Chris Vanni <cvanni@portervillecollege.edu>

**Subject:** Re: AP Physics 1 & 2

Chris,

Based on the list of topics covered by each exam, the Physics 1 Exam does not fully cover PHYS 102A. Interestingly, the Physics 2 Exam more than covers PHYS 102B.

Therefore, here is my recommendation:

Physics 1 & 2 Exams earn credit for 102A & 102B (as is our current policy).

Physics 2 Exam earns credit for 102B.

Physics 1 Exam by itself earns no credit.

By the way, for some reason, neither of these courses cover sound. Physics 1 covers oscillations, and Physics 2 covers light waves; however, sound is never addressed. That is reason enough to not allow any credit for 102A (in which sound is covered). I suppose it's okay to let that topic slip. (Perhaps it's a conversation for the rest of the Division; maybe other disciplines have topics missing from the AP.)

Jon

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**From:** Chris Vanni <cvanni@portervillecollege.edu>

**Sent:** Tuesday, September 12, 2023 4:53 PM

**To:** Jon Satko <jsatko@portervillecollege.edu>

**Subject:** AP Physics 1 & 2

Hi Jon,

A question has come up regarding credit for AP Physics 1 and 2. We currently give Physics 102A and 102B credit to students who have passed both AP exams (see image below).

Physics	3, 4 or	PHYS P102A & PHYS P102B	8	D, F	B-1 + B-3, If taken prior to Fall 2013 for AP Physic B	5A and 5C
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Guidance from the California Community Colleges Chancellor's Office separates the two tests (see below)

Physics 1	3	Natural Sciences	4
Physics 2	3	Natural Sciences	4

I'm guessing we combine Physics 1 and 2 as these exams might separate topics differently than you do in Physics 102A/B which would require students to take the entire sequence to be equivalent. Can you verify this based on the information below?

Based on this, moving forward should both of these exams be required for the full year of Physics P102A/B sequence, or can these be separated into two different courses with two different exams?

[AP Physics 1: Algebra-Based](#) is an introductory course in which you will explore the foundational principles of physics with hands-on laboratory learning.

The units included in this course and exam are:

- Kinematics (Unit 1)
- Dynamics (Unit 2)
- Circular Motion and Gravitation (Unit 3)
- Energy (Unit 4)
- Momentum (Unit 5)
- Simple Harmonic Motion (Unit 6)
- Torque and Rotational Motion (Unit 7)

[AP Physics 2: Algebra-Based](#) is a course in which you will explore additional topics in physics with hands-on laboratory learning.

The units included in this course and exam are:

- Fluids: Pressure and Forces (Unit 1)
- Thermodynamics (Unit 2)
- Electrical Force, Field, and Potential (Unit 3)
- Electrical Circuits (Unit 4)
- Magnetism and Electromagnetic Induction (Unit 5)
- Geometric and Physical Optics (Unit 6)
- Quantum, Atomic, Nuclear Physics (Unit 7)

Thank you for your help with this,  
Chris



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