

SMSU College Now Instructor Qualifications for Physics:

Demonstration of relevant and advanced content-area knowledge:

Instructors may meet the minimum requirement for advanced content-area knowledge through any one of the following three methods¹:

— 1. A graduate degree in Physics

OR

— 2. A graduate degree in any field and 18 graduate credit hours in Physics

OR

— 3. A graduate degree in any field plus two Physics graduate level courses and four relevant options from this list (a-l), subject to review and approval by the Biology program:

- a. Graduate-level course(s) in Physics or related fields. These need not have been taken as part of a graduate degree program. This item can be counted more than once for each additional course.
- b. National Board Certification in Science, at Adolescent/ Young Adulthood level.
- c. Fellowships or awards from school, district, state, regional, national or international organizations for recognition of high school or undergraduate teaching in physics.
- d. Forty-five (45) hours of discipline-specific professional development in physics or physics education.
- e. Additional five (5) years of successful and effective teaching experience in a course leading to undergraduate credit in physics including dual credit, Advanced Placement, International Baccalaureate, teaching undergraduates on a college/university campus, or teaching another College Now science course.
- f. Active participation in a professional physics or physics education organization.
- g. Discipline-specific leadership role in a secondary or postsecondary institution, such as department chair, or in professional organization such as MnSTA or NABT.
- h. Relevant presentations at local, state, regional, or national workshops or conferences.
- i. Participation in a grant-funded project with the goal of improving education in physics.
- j. Published textbook, journal article or essay, or similar scholarly or creative work in the field of physics or physics education.

- _____ k. Participation in nationally normed assessment activity related to physics such as Advanced Placement test grading, writing items for AP or IB tests, or serving as a National Board Certification assessor in science.
- _____ l. Field test or review curriculum for publisher or serve on textbook review and selection committee for postsecondary or secondary institution.

*** ¹ Adapted from the University of Minnesota Physics Department*

Please provide a short explanation (on a separate sheet of paper) of how you have achieved each of the options indicated above.

Completed by:

[HS Instructor]

Date

Reviewed by:

[SMSU Director of Concurrent Enrollment]

Date

Additional Comments:

Reveiwd by:

[SMSU Department Chair]

Date

Additional Comments: