*Content Area Prerequisites Course Equivalents*

**Number** P304 **Credits** 4

**Course Title** Introduction to Modern Physics

**Description** This course considers atomic and nuclear physics. It is a study of the experimental evidence that led to the development of the theories of quantum mechanics and relativity. Special theory of relativity, wave particle duality, and atomic structure are also considered. Students meet for three lectures and one three-hour lab per week. Prerequisites: P211, M152. Offered in alternate years.

**Number Course Title Distance Credits School**

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| --- | --- | --- | --- | --- |
| PHYS 2250 | Modern Physics | Traditional | 3 | Normandale Community College |
| PHYS 2311 | Modern Physics | Traditional | 4 | University of Minnesota |
| PHYS 223 | University Physics III | Traditional | 4 | Winona State University |
| PHYS 404 | Nuclear Radiation Physics | Traditional | 4 | Winona State University |
| PHY 340 | Modern Physics | Traditional | 4 | Winona State University |
| PHYS 328 | Modern Physics I | Traditional | 3 | St. Cloud State University |
| PHYS 329 | Modern Physics II | Traditional | 3 | St. Cloud State University |
| PHYS 2227 | Modern Physics | Traditional | 3 | Rochester Community & Technical |
| PHYS 264 | General Physics III | Traditional | 4 | University of Wisconsin River Falls |
| PHYS 426 | Nuclear and Particle Physics | Traditional | 4 | University of Wisconsin River Falls |
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