

Dual Degree Requirements

Dual Degree Students must satisfy the Liberal Arts Physics Major / Dual Degree Emphasis requirements as listed below from the UW-Eau Claire Course Catalog as well as the University and College of Arts & Sciences requirements.

Dual Degree Engineering Emphasis (Code 230-206) This emphasis combines the benefits of a traditional physics degree with those of a formal engineering education. In this program students receive a UW-Eau Claire physics degree in conjunction with a bachelors degree in engineering from either the UW-Madison College of Engineering or the University of Minnesota College of Science and Engineering.

The Dual Degree Engineering Emphasis requires 36 credits of physics coursework including Physics 186, 231, 232, 332, 340, 350, and either 365 or both PHYS 255 and 356 (option depends on engineering program), > computer science course (appropriate course depends on engineering program) and Math 312. The remaining Physics credits are to be selected from any physics course above 325 (including Phys/Msci 338) and MSCI 355. Math312 and one computer science course (CS 163, 170, or an adviser-approved course appropriate for the engineering program) are also required. To receive the UW-Eau Claire Dual Degree Engineering Emphasis physics degree, the student must complete an engineering degree from one of the above schools. Students will typically complete most of the UW-Eau Claire General Education and Dual Degree physics requirements while at UW-Eau Claire before transferring to the engineering school. Students must complete 84 semester credits before transferring to the engineering school, 56 of which must be taken in residency at UW-Eau Claire, with a minimum of 12 upper-division credits of physics and a minimum of six credits of mathematics taken at UW-Eau Claire.

NOTE 1: The UW-Eau Claire physics degree will not be awarded until an official copy of the student's engineering degree has been sent to UW-Eau Claire's Registrar's Office. If the engineering degree is not completed, then students must satisfy all of the requirements for another degree program at UW-Eau Claire.

NOTE 2: A maximum of six credits of any combination of Phys 392, 399, 491, and 499 can be counted toward the major. The remaining Physics credits are to be selected from any physics course above 325.

Additional Requirements: Calculus through MATH 312 (Differential Equations + Linear Algebra), CS 163 (C++ Computer Programming only for some programs), CHEM 103 (1st semester General Chemistry) or CHEM115 (Chemical Principles)