

Kent State will work to secure ABET accreditation for the proposed Mechatronics Engineering major upon matriculation of the program's first cohort. ABET-accreditation is important not only because it ensures a quality education, but because graduates of an ABET-accredited program who have passed the Fundamentals of Engineering examination and have four years of engineering experience become eligible for the Principles and Practice of Engineering examination to become a licensed professional engineer. This engineering license is valuable to job seekers as many engineering organizations require their employees to hold this credential. While graduates from non-ABET accredited programs may also take the examinations, they must have eight years of engineering experience.

Indicate whether additional faculty and staff will be needed to support the proposed request.

It is anticipated that the College of Applied Engineering, Sustainability and Technology will hire one additional full-time tenure-track faculty member with a doctorate in mechatronics engineering, electrical engineering or related field. This faculty member will support the Applied Engineering major–Mechatronics concentration and will transition to the proposed Mechatronics Engineering major upon implementation of that program. The college will determine if additional faculty will be needed based on enrollment projections each year in the proposed program.