

Development of a Nuclear Engineering Minor Program within the Mechanical Engineering Department at Texas A&M University-Kingsville

Executive Summary

Support is requested to establish a minor in Nuclear Engineering (NE) within the Mechanical Engineering curricula as part of the Mechanical Engineering Department (ME). The new minor will be developed by introducing six new courses in nuclear engineering that will be taught by professors from ME and other College of Engineering professors. A full curriculum is presented for a student to obtain a minor in NE within the ME Department. We are targeting 25 students to enroll in the new NE minor by the end of the first year of implementation. We have strong relationships with Oak Ridge National Laboratory and the NE Department at Texas A&M University-College Station. Both have agreed to act as mentors and to provide summer internships for our students. The completion and integration of the proposed minor in NE within the ME Department will provide the students of a Minority- and Hispanic-Serving institution with the necessary skills and experience in NE to enter careers in the nuclear industry and will satisfy a national need.

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