

THE UNIVERSITY OF MICHIGAN
REGENTS COMMUNICATION

ACTION REQUEST

SUBJECT: New Degree Program

ACTION REQUESTED: Approval of a new undergraduate degree program, Bachelor of Science in Applied Statistics, to be offered by the College of Arts, Sciences, and Letters, University of Michigan-Dearborn

EFFECTIVE DATE: February 20, 2015

The College of Arts, Sciences, and Letters (CASL) at the University of Michigan-Dearborn proposes to establish an undergraduate program leading to a Bachelor of Science degree in Applied Statistics. The Department of Mathematics and Statistics already has a successful Applied Statistics minor; this program builds upon that strength. Special attention was paid to requirements for entry into the program. New courses, such as biostatistics, survey sampling, and time series analysis, were designed to engage and support students from disciplines outside mathematics and statistics including engineering and the physical sciences, public health, health and social sciences, and economics and actuarial sciences.

Market research indicates that the market for a new undergraduate Applied Statistics major at UM-D is viable. Student demand for undergraduate statistics programs is growing, both nationally and regionally. Labor market demand for statistics graduates is also growing, with particularly promising opportunities in market research, 'big data' analysis, and the medical and pharmaceutical industries. Regional competition exists, but the market does not appear saturated. Coursework and concentrations focused on these high-growth fields at UM-Dearborn is in alignment with industry demands and promotes graduate employability.

The dean, the Executive Committee, and the governing faculty of the College of Arts, Sciences, and Letters have approved the Bachelor of Science degree in Applied Statistics. The Council of Deans, Graduate Board and provost and vice chancellor of academic affairs at the University of Michigan-Dearborn have also extended their approval. The Presidents Council, State Universities of Michigan approved the new program on January 16, 2015.

I am pleased to present this proposal for your approval.

Recommended by:



Daniel Little, Chancellor
University of Michigan-Dearborn

February 2015