THE UNIVERSITY OF MICHIGAN
REGENTS COMMUNICATION

ACTION REQUEST

SUBJECT: A new degree program for the College of Engineering and
Computer Science, University of Michigan-Dearborn

ACTION REQUESTED: Approval of a new degree program, "Doctor of Philosophy in
Information Systems Engineering," to be offered by the College of
Engineering and Computer Science, University of Michigan-
Dearborn

EFFECTIVE DATE: September 1, 2009

The College of Engineering and Computer Science (CECS) at the University of Michigan-
Dearborn proposes to establish a graduate program leading to a Doctor of Philosophy degree in
Information Systems Engineering. This degree program will be highly interdisciplinary and will
involve the following departments: the Department of Computer and Information Science, the
Department of Electrical and Computer Engineering, and the Department of Industrial and
Manufacturing Systems Engineering. The proposed Ph.D. program in Information Systems
Engineering is designed to provide expertise in areas currently not available in traditional Ph.D.
programs. It will be unique in the state of Michigan and has the potential to strengthen the
region's industrial base in important ways.

Southeastern Michigan has a large pool of practicing engineers who wish to pursue careers as
information systems specialists in a challenging technical and manufacturing environment. The
Information Systems Engineering Ph.D. program is well suited to meet their needs. The proposed
Ph.D. program will be readily accessible to working professionals engaged in advanced
engineering and research in automotive-related industries and in local companies using or
developing information technology systems. This program is interdisciplinary and will
incorporate faculty expertise in traditional and non-traditional databases and information
retrieval systems, the world-wide web, the semantic web, social networks, transportation
networks, manufacturing networks, human/computer interaction, multimedia, and entertainment
technology.

The dean, executive committee, and governing faculty of the College of Engineering and
Computer Science have approved the Doctor of Philosophy in Information Systems Engineering.
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 it on October 24, 2008.

I am pleased to present this proposal for your approval.

Recommended by:

Daniel Little, Chancellor
University of Michigan-Dearborn

November 2008