

October 24, 2005

Software Engineering Graduate Certificate Review
Department of Computer and Information Science

Program goals: The goals of the proposed graduate certificate in software engineering are clear and attainable. The department has consulted its advisory committee to assess need for the certificate program, and letters of support from Eli Lilly and the Institute for Forensic Imaging in Indianapolis attest to the community support for the program. The certificate is built upon existing courses, so no new resources are required. Thus, the implementation of the certificate program is attainable.

Academic strength: The program is academically sound because is built upon existing approved graduate courses, and the 12 credit hour requirement meets the credit hour requirement for IUPUI and for Purdue graduate certificates.

Faculty resources: The certificate program will utilize existing approved courses and thus no additional faculty time is required. Five students per year are anticipated in the first year, and the program has room for expansion.

Potential overlap with other units: There is no evidence for overlap with other IUPUI units. In fact, letters of support from the School of Informatics and the School of Engineering and Technology, the two schools with most closely related disciplines, are very supportive of the certificate proposal.

Relationship to the mission of the unit, school, and institution: The proposed certificate program is completely in line with the mission of the Computer and Information Science Department in that certificate program graduates may apply all of the coursework toward the existing M.S. or Ph.D. degrees offered through the department. The certificate program also meets the IUPUI and School of Science missions of teaching and community service. Many of the students are expected to be full-time employees in the Indianapolis community who which to enhance their education and skills in computer software engineering.