

October 5, 2007

TO: Kaveh Tagavi
Senate Council
201 Main Bldg.
CAMPUS 0032

Dear Dr. Tagavi,

At its meeting on September 27, 2007 the Graduate Council voted to approve the proposal for review of the Informatics Graduate Certificate. The Council submits this recommendation for the consideration of the Senate.

Thank you for your attention to this request.

Sincerely Yours,

Jeannine Blackwell, Dean
The Graduate School

Cc: Sheila Brothers

Review of the Informatics Graduate Certificate

May 21, 2007

1 Introduction

The purpose of the informatics certificate is to train graduate and professional-degree students in the uses of computational and information processing technology in their own fields. The students will be able to use this enrichment to become more productive professionals, to further research in their own areas, and to engage in multidisciplinary research relying on computer and information-processing techniques.

2 Faculty

1. Raphael Finkel, Computer Science
2. Jurek Jaromczyk, Computer Science
3. Ross Scaife, Modern and Classical Languages
4. Chuck Staben, Biology
5. Gregory Stump, English

3 Admission requirements

To be admitted to this curriculum and work towards an Informatics Certificate, students must be associated with the University of Kentucky in

one of the following categories: (1) enrolled in a degree program and admitted to the Graduate School, (2) enrolled in a professional-degree program, (3) a Resident in the Medical Center, or (4) a faculty or staff member. Students in categories 2-4 must be admitted to the Graduate School (possibly as post-bac students, which requires a baccalaureate degree from an accredited university or college). Admission to the curriculum is subject to application and approval by the Committee. The Committee has not established grade-point or other admission standards.

Admission to the Curriculum requires submitting a 1-paragraph Statement of Purpose indicating why the student is interested in the Certificate. Computer Science students are not encouraged to apply.

4 Completion requirements

Students must complete three courses (nine credits) with no grade lower than B to complete this curriculum.

1. INF 401G (Informatics fundamentals: Spring)
2. A 500-level course in the field of specialization with an informatics component, approved by the Committee. Typically, students fulfil this requirement with BIO 520.
3. A 600-level course in the field of specialization to complete a project involving informatics.

A student may test out of at most one course, but not the project.

5 Rationale

Computer-related technologies are ubiquitous in all areas of science, engineering, medicine, agriculture, education and humanities. Research and professional success in these disciplines often depends on creative use of the latest advances in computational technology, by which we mean the broad field that includes computer science, computational science, and informatics. Multidisciplinary research projects involving a substantial component of computational technology are becoming the main venue of expanding the borders of knowledge.

Graduate programs in the US have recognized this quickly growing role of computational technology as well as the importance of multidisciplinary projects. This recognition should be reflected in the graduate curriculum. Our objective to provide a curriculum to educate a cadre of researchers and professionals with multidisciplinary backgrounds and with substantial understanding of the principles and applications of computational technology.

6 Flyer

See <http://www.cs.uky.edu/~raphael/informatics/>

7 Certificate copy

Attached.

University of Kentucky

Presents the Graduate Certificate in Informatics to

Srikrishna Putta

for completing the prescribed curriculum with a specialization in
Bioinformatics

on this date the 15th of February, 2007

Dean of the Graduate School

Chair of the Informatics Committee

Area Coordinator

UK

