

INTERDISCIPLINARY STUDIES

Phone: 620-341-5583

Chair: Ellen Hansen

Graduate Faculty

Professors: Ellen Hansen

Graduate School Application Process for Master of Science in Informatics

Academic requirements are a BA or BS degree from an accredited four-year institution with an undergraduate GPA of 3.0 for full admissions.

Applicants with a GPA under 3.0 may be considered for probationary admission. Applicants are expected to demonstrate competence in written and oral communication.

It is essential that applicants apply and receive acceptance into the ESU Graduate School prior to being considered for acceptance by Interdisciplinary Studies. Following acceptance by the ESU Graduate School, prospective students should begin the Interdisciplinary Studies admission process.

1. For the Master of Science in Informatics, your degree objective is MS with a major in Informatics (INF). If you have a postgraduate degree or have taken graduate course work, you must list those institutions as well. You must apply for admission online at <http://www.emporia.edu/grad/appinstr.htm>.
2. Transcripts. Arrange to have an official transcript from each institution attended sent directly to the Graduate Office (see address above or on application). The grade point average that is used for admission purposes is always based on your bachelor's degree. Students are expected to have a grade point average of 3.0 overall or in the last 60 hours of course work toward the initial bachelor's degree. We consider a post-graduate degree, or graduate courses taken, to give us a full picture of your academic record.
3. Letter of reference from two people who know

you and your work (academic and/or community work) that address your intellectual capability, ability to express thoughts orally, ability to express thoughts in writing, maturity, and motivation. The letters should also include how long the writers have known you and their relationship to you (teachers, colleague, co-worker, etc.). References may be sealed or open.

4. Current resume.
5. An advising interview.
6. A written two-page statement of objectives, double-spaced.

Each application will be considered by applying the admissions criteria on an individual basis. Academic requirements, for instance, may be waived in favor of applicants of unusual ability and background where rationale for that waiver can be demonstrated.

However, only those applicants showing strong evidence of intellectual promise and leadership potential will be admitted.

MASTER OF SCIENCE IN INFORMATICS

The M.S. in Informatics is a 36-credit hour graduate degree program. It is a collaboration between the School of Library and Information Management, the School of Business, and the College of Liberal Arts and Sciences and is administered by the Department of Interdisciplinary Studies. The program can be taken entirely online or be a mixture of online and on campus courses.

Required Informatics Core Courses - 14 Credit

Hours:

LI 800 Introduction to Informatics	3 hours
LI 844 Database Design	3 hours
LI 819 Information Retrieval	3 hours
ES 767C Programming for Geoinformatics	2-3 hours
PS 810 Seminar in Physical Sciences	3 hours

Elective Course Credit Hours as defined by individual concentration requirements 22 hours

Total Hours 36 hours

MASTER OF SCIENCE IN INFORMATICS WITH GEOINFORMATICS CONCENTRATION

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Required Informatics Core Courses - 14 Credit Hours:

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LI 844 Database Design	3 hours
LI 819 Information Retrieval	3 hours
ES 767C Programming for Geoinformatics	2-3 hours
PS 810 Seminar in Physical Sciences	3 hours

Geoinformatics Concentration – 16 Credit Hours

GE 572 GIS Applications	3 hours
GE 573 Internship in Geographic Information Systems	3 hours
ES 555 Small-Format Aerial Photography	3 hours
ES 771 Remote Sensing	4 hours
ES 775 Advance Image Processing	3 hours

Electives – 6 Credit Hours (Examples)

ES 767 Advanced GIS Applications	3 hours
Any 500+ Earth Science (ES), Geology (GO) or Geography (GE) course	3 hours
Research Problem or Thesis Hours	3 hours

Total Hours **36 hours**

Pre-requisites

- Bachelor of Science in Geography, Geology, Earth Science or closely related field.
- At least one course in geographic information systems (GIS)
- At least one course in Cartography
- At least one course in Statistics
- At least one course in Computer Programming (Fortran, Visual Basic, C++, Perl, Python, R, etc.)