

COMPUTER INFORMATION SYSTEMS (CIS)

CIS 500 MICROCOMPUTER SYSTEMS

3, 3/0
CIS 500

CIS 512 INTRODUCTION TO DATA SCIENCE AND ANALYTICS

3, 3/0

Prerequisites: Graduate standing. Introduction to Data Science and Analytics; modern analytical techniques; application to academia, industry and business needs. Fundamental concepts and terms; methods, tools, and techniques; identification of “big data” problems; data sources; analytical approaches; algorithm implementations; interpretation and reporting of results. Offered annually in the Fall semester.

CIS 590 INDEPENDENT STUDY

1-3, 0/0

Graduate independent study in Computer Information Systems.

CIS 594 GRADUATE WORKSHOP

1-3, 0/0

Graduate workshop in Computer Information Systems.

CIS 600 MACHINE LEARNING FOR DATA SCIENCE

3, 3/0

Prerequisites: CIS 512 or DSA 512 or equivalent. Introduction to Machine Learning Techniques for Data Science; mathematical methods; algorithms; application to academia, industry and business problems. Fundamental concepts and terms; methods, tools, and techniques. Supervised and unsupervised learning; identification of learning problems; data sources; analytical approaches; algorithm implementation; interpretation and reporting. Offered annually in the Fall semester.

CIS 690 MASTERS PROJECT IN EDUCATIONAL COMPUTING

3, 3/0

A project undertaken by one or more individuals on a problem of special interest within Computer Information Systems, planned and carried out with consultation and guidance from the instructor.

CIS 695 MASTERS THESIS

3, 6/0

Individual investigation of an original problem within Computer Information Systems submitted in acceptable form according to directions given by the Graduate School.

CIS 721 THESIS/PROJECT CONTINUATION

0, 0/0

CIS 722 THESIS/PROJECT EXTENDED

0, 0/0