

IS 3920: Application Development II

3 Credit Hours

Prerequisite: (IS 3020 or ISA 3010), 60 credit hours with a minimum GPA of 2.0, and Admission to the Coles College Undergraduate Professional Program or student in a Coles College Partner Program that includes this course.

This development course provides an advanced development environment using information systems technologies and their applicability to real world application scenarios. Students will complete projects and assignments designed to explore advanced object oriented programming languages in the context of application development for mobile, personal computer, and/or sever devices. Students will use modern application and/or web development technology tools in various environments such as agile, mobile, and social and dynamic development.

IS 3940: Data Warehousing

3 Credit Hours

Prerequisite: IS 3100 and IS 3280, 60 credit hours with a minimum GPA of 2.0, and Admission to the Coles College Undergraduate Professional Program or student in a Coles College Partner Program that includes this course.

This course provides an overview of planning, designing, building, populating a successful data warehouse and business intelligence system. Topics covered in this course include business requirement analysis, dimensional modeling, physical design, extraction-transformation-load (ETL) design and development, Analysis Service Online Analytical Processing (OLAP) database, and data mining.

IS 4000: IS Project Lab

3 Credit Hours

Prerequisite: Permission of Instructor

This course engages students in faculty research projects. The field of information systems and security is constantly filled with emerging problems and problems without good solutions. By conducting formal research, students in this course learn to carefully organize and design studies to articulate research questions within the field and answer them in more evidential and persuasive ways. Organizations need these skills and value them.