

**\*\*\*Please note that this minor cannot be completed in one semester.**

## **Information Systems and Operations Management Minor**

### **ISM 6128 – Advanced Business Systems Design and Development I (2 credits)**

Object-oriented analysis and model specification for business software systems. Articulation of key requirements (data, processes, physical components, deployment) using logical modeling methodologies.

*Prereq: None*

Offered Fall and Spring, Modules 1 & 3

### **ISM 6129 – Advanced Business Systems Design and Development II (2 credits)**

Continuation of ISM 6128. Focus on object-oriented design of systems. How to translate business requirements into specific task and component requirements.

*Prereq: C grade or better in ISM 6128*

Offered Fall and Spring, Modules 2 & 4

### **ISM 6215 – Business Database Systems I (2 credits)**

Fundamentals of data storage and retrieval models for business applications. Data modeling and database design principles. Theoretical foundations and exercises presented for relational data model and SQL.

*Prereq: C grade or better in ISM 6129*

Offered Fall and Spring, Modules 1 & 3

### **ISM 6222 – Business Telecom Strategy and Applications I (2 credits)**

Survey of networking technologies used in WWW and e-commerce. TC/IP networks and related security, networking hardware, and Internet software standards.

*Prereq: none*

Offered Fall and Spring, Modules 1 & 3

### **ISM 6223 – Telecom Strategy and Applications II (2 credits)**

Both introduction and traditional telephony and discussion of issues companies face upon consolidation of voice and data networks. Technological developments, product announcements, and market activity, with ultimate focus on strategy of voice/data integration.

*Prereq: C grade or better in ISM 6222*

Offered Fall and Spring, Modules 2 & 4

**Total Credits: 10**