

# COMPUTER INFO TECH (ITSW)

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**ITSW 1307 Introduction to Database 3 Credits (2 Lec, 2 Lab)**

This course is an introduction to relational and non-relational database theory and the practical applications of a contemporary database. Topics may adapt to changes in industry practices.

Course Type: Technical

**ITSW 2334 Advanced Spreadsheets 3 Credits (2 Lec, 2 Lab)**

This course includes advanced techniques for developing and modifying spreadsheets, including macros and data analysis functions. Topics covered include data entry, graphics, table building and searching, macro development, customized reports, database administration, and statistical analysis.

Prerequisite(s): ITSC 1309 or department chair approval

Course Type: Technical

**ITSW 2337 Advanced Database 3 Credits (2 Lec, 2 Lab)**

This course covers advanced concepts of database design and functionality. It is designed to provide an understanding of advanced functionality of databases, including physical representation, design criteria, and application implementation. A data control language is used in the implementation of database processing applications. Programs written will include report generation, multiple file management, relational database management, online screen generation, and menu driven systems.

Prerequisite(s): ITSW 1307 or department chair approval

Course Type: Technical