COURSES

COMPUTER INFORMATION TECHNOLOGY

CTS-115 **Information Systems Business Concepts** **Lec 3** **Lab 0** **Clinic 0** **Credit 3**

The course introduces the role of IT in managing business processes and the need for business process and IT alignment. Emphasis is placed on industry need for understanding business challenges and developing/managing information systems to contribute to the decision making process based on these challenges. Upon completion, students should be able to demonstrate knowledge of the 'hybrid business manager' and the potential offered by new technology and systems.

Co-Requisites: None
Pre-Requisites: None

CTS-120 **Hardware/Software Support** **Lec 2** **Lab 3** **Clinic 0** **Credit 3**

This course covers the basic hardware of a personal computer, including installation, operations and interactions with software. Topics include component identification, memory-system, peripheral installation and configuration, preventive maintenance, hardware diagnostics/repair, installation and optimization of system software, commercial programs, system configuration, and device-drivers. Upon completion, students should be able to select appropriate computer equipment and software, upgrade/maintain existing equipment and software, and troubleshoot/repair non-functioning personal computers.

Co-Requisites: None
Pre-Requisites: None

CTS-130 **Spreadsheet** **Lec 2** **Lab 2** **Clinic 0** **Credit 3**

This course introduces basic spreadsheet design and development. Topics include writing formulas, using functions, enhancing spreadsheets, creating charts, and printing. Upon completion, students should be able to design and print basic spreadsheets and charts.

Co-Requisites: None
Pre-Requisites: None

CTS-240 **Project Management** **Lec 2** **Lab 2** **Clinic 0** **Credit 3**

This course introduces computerized project management software. Topics include identifying critical paths, cost management, and problem solving. Upon completion, students should be able to plan a complete project and project time and costs accurately.

Co-Requisites: None
Pre-Requisites: None

CTS-250 **User Support & Software Evaluation** **Lec 2** **Lab 2** **Clinic 0** **Credit 3**

This course provides an opportunity to evaluate software and hardware and make recommendations to meet end-user needs. Emphasis is placed on software and hardware evaluation, installation, training, and support. Upon completion, students should be able to present proposals and make hardware and software recommendations based on their evaluations.

Co-Requisites: None
Pre-Requisites: None

CTS-285 **Systems Analysis & Design** **Lec 3** **Lab 0** **Clinic 0** **Credit 3**

This course introduces established and evolving methodologies for the analysis, design, and development of an information system. Emphasis is placed on system characteristics, managing projects, prototyping, CASE/OOM tools, and systems development life cycle phases. Upon completion, students should be able to analyze a problem and design an appropriate solution using a combination of tools and techniques.

Co-Requisites: None
Pre-Requisites: None