CPT — Computer & Info Systems

CPT 114  Computers and Programming  2 - 3 - 3
This course introduces computer concepts and programming. Topics include basic concepts of computer architecture, files, memory, and input/output devices. Programming is done in a modern high-level language.

CPT 162  Intro to Web Page Publishing  2 - 3 - 3
Prerequisites:  IST 226 and CPT 187
This course is a study of the fundamentals of web page design and implementation.

CPT 164  Interactive Web Design & Graph  2 - 3 - 3
Prerequisites:  CPT 187
Corequisites:  IST 226
This course is the study of web design techniques including layout, graphics, and interactivity. Graphics and animation software will be taught.

CPT 168  Programming Logic and Design  2 - 3 - 3
This course examines problem-solving techniques applied to program design. Topics include a variety of documentation techniques as means of solution presentation.

CPT 187  Object-Oriented Logic & Design  2 - 3 - 3
Prerequisites:  CPT 168
This is a study in the planning and implementation of object-oriented programs.

CPT 208  Special Topics in Comp Tech  2 - 3 - 3
Prerequisites:  IST 215
This course focuses on changes in computer technology.

CPT 209  Computer Systems Management  2 - 3 - 3
This course examines the methods and procedures used in maintaining microcomputer systems. Topics include hardware and software installation, configuration, operations, and troubleshooting.

CPT 236  Intro to Java Programming  2 - 3 - 3
Prerequisites:  CPT 187
This course is an introduction to java programming. Topics will cover java syntax and classes for use in the development of java applications and applets.

CPT 237  Advanced Java Programming  2 - 3 - 3
Prerequisites:  IST 271
This course is a study of advanced topics of the java programming language by building on a basic knowledge of the java language. Topics covered will include multi-reading, swing classes, swing event models, advanced layout managers, the javabean component model, network programming and server-side programming.

CPT 240  Internet Prog with Databases  2 - 3 - 3
Prerequisites:  CPT 242
Corequisites:  CPT 262
This course is a study of the implementation of dynamic web pages focusing on the development of web sites that interact with databases utilizing current server-side technologies along with the databases to deliver dynamic content to client browser.

CPT 242  Database  2 - 3 - 3
Prerequisites:  IST 192
This course introduces database models and the fundamentals of database design. Topics include database structure, database processing, and application programs which access a database.

CPT 262  Advanced Web Page Publishing  2 - 3 - 3
Prerequisites:  and CPT 242
Corequisites:  CPT 240, CPT 264
This course is a study of advanced techniques in web page design and implementation.

CPT 264  Systems and Procedures  2 - 3 - 3
Corequisites:  CPT 262, IST 261
This course covers the techniques of system analysis, design, development, and implementation.

CPT 278  Computer Software Applications  2 - 3 - 3
This course is designed to guide the student from beginner to advanced in spreadsheets, databases and word processing.

CPT 280  SCWE in Computer Technology  0 - 12 - 3
Prerequisites:  CPT 242
This course integrates computer technology skills within an approved work site related to the computer industry.

CPT 282  Info Systems Security  2 - 3 - 3
This course is the study of the protection of information and equipment in computer systems. Topics include all aspects of systems protection, including physical security, hardware, software and communications security. Addresses technical, legal and ethical issues.