

<b>LCT CE Computer Training</b>
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**LCT 0050 Big Data Analytics (1-0) 1 cr.**

Teaches students about predictive models that create business value from Big Data solutions, the technology (databases, query languages, architectures) and statistical techniques of Big Data Analytics.

**Recommended:** basic understanding of statistics, databases and data management.

**LCT 0051 Introduction to R Programming (1-0) 1 cr.**

Teaches R programming, an open source programming language and software environment for statistical computing and graphics that allows data analysis and visualization to help build predictive models. Students will define a predictive problem to study using data in R. Also teaches R commands while studying the predictive problem, and applies different predictive problems in an individual case study.

**Recommended:** Some understanding of data analysis, programming is not a prerequisite.

**LCT 8001 Introduction to MYSQL (1-0) 1 cr.**

Teaches how to create MySQL databases, which are designed specifically as a web back end. Explains how to quickly and efficiently set up a MySQL databases. Administers MySQL databases. Uses real-world exercises. Identifies how to become proficient in running SQL queries against the server. Customizes a SQL database using the tools in the MySQL distribution.

**Recommended:** Prerequisites: LCT0193 Introduction to JavaScript Programming and LCT0292 Introduction to PHP or equivalent experience.

**LCT 8002 Intermediate MYSQL (1-0) 1 cr.**

Focuses on the way business applications are created and distributed using websites. Learns how to connect centralized database technology with the stack of open-source applications known as LAMP (Linux, Apache, MySQL, and PHP).

**Recommended:** LCT8001 Introduction to MySQL or equivalent experience.

**LCT 8075 VMware Certified Professional (1-2) 2 crs.**

Provides knowledge of the VMWare Software Server virtualization product that makes it possible to partition a single physical server into multiple virtual machines. VMware server works with Windows, Solaris, Linux and Netware--any or all of which can be used concurrently on the same hardware. Prepares students for the VMware Certified Professional exam (VCP) by planning, installing, configuring, securing and upgrading vSphere and virtual machines.

**Recommended:** LCT 0310 (Introduction to Windows Environment) or equivalent experience and networking experience.

**LCT 8500 Front-End Coding Boot Camp (1.5-2) 2.5 crs.**

Teaches responsive front-end programming using HTML, CSS, JavaScript and jQuery. Understand how these core languages blend together by developing interactive web pages through hands-on learning. Conclude with a self-paced responsive coding project.

**Recommended:** Students must be comfortable working in a PC environment and able to type a minimum of 20 words per minute.