

Graduate Certificate in Data Mining



UNIVERSITY OF
LOUISVILLE[®]

Earn a Graduate Certificate in Data Mining from UofL!

Advance your career and increase your earning potential with a **100% online** Graduate Certificate in Data Mining from the University of Louisville. Our innovative curriculum and award-winning faculty provide an educational experience you won't find anywhere else.

Why choose UofL? You will...

- **Earn** your certificate in as little as 12 months
- **Interact** with other online learners across the globe
- **Increase** your earning potential and career opportunities
- **Learn** from faculty with distinguished academic credentials, industry experience and a strong commitment to applied research

Overview

The Department of Computer Engineering and Computer Science (CECS) and the Department of Mathematics have developed this joint certificate in data mining to address the need for trained professionals in the interdisciplinary field of data mining.

Graduates of this program are qualified for positions including: IT professionals; marketing, sales and customer relations managers; database and direct marketers; data analysts; statisticians; financial managers; business and data analysts; and project managers are all professions that can utilize data mining expertise. Virtually any organization, regardless of industry, can reap the enormous payoffs of data mining.

J.B. Speed School of Engineering

The University of Louisville's J.B. Speed School of Engineering has been educating technical professionals since 1924 and features classes and research taught by internationally recognized faculty as well as state-of-the-art computer and networking laboratories. The Department of Computer Engineering and Computer Science (CECS) is the only department in Kentucky with both computer science and computer engineering accreditations.

Faculty

Faculty at the University of Louisville are leaders in the field of information assurance, computer forensics, multimedia, data mining, data warehousing, and data analysis. They have worked in application areas such as medical, e-commerce, security, military, institutional, and financial research. Faculty have authored textbooks, chapters and professional publications and received research awards from NSF, NASA, NIH, DoD, FAA and assisted in business development.

Students may complete the program entirely online, or combine online classes with on-campus classes.

For More Information

If you have any questions about this program and/or online learning, please contact:

online@louisville.edu or
1-800-334-8635 ext. 852.6456
www.louisville.edu/online

Area/Category	Online Course	Credit Hours
Required	CECS 535 – Database Design CECS 632 – Data Mining CECS 694 – Special Topic: Linear Statistical Models CECS 694 – Special Topic: Methods of Classification	12
Two electives from the following	CECS 590 – Intro to Data Analysis CECS 619 – Computer Algorithms CECS 694 – Special Topic: Data Warehousing CECS 694 – Special Topic: Data Mining with Time Series CECS 694 – Special Topic: Web Mining	6
Total Credits (minimum required)		18

Note: some classes may apply towards the Master of Science in Computer Science.