

COMPUTER INFORMATION SYSTEMS

DATA ANALYSIS MICROCREDENTIAL

Overview

Students earning a microcredential in Data Analysis will implement basic coding programming in a programming language, manipulate a relational database, and use database definition, manipulation, query, and control commands and analyze data using data visualization and statistical modeling methods. This microcredential is a valuable add-on to Computer Science, Computer Information Systems, Mathematics, Information Management, and Business programs. Students will gain entry-level data analytics skills that are immediately transferable into the workplace in jobs such as cleaning data, business analytics, and marketing analytics.

Students who successfully complete this microcredential will be able to:

- Normalize, interact with a relational database using definition, query, manipulation, and control commands, as well as by using a high-level programming language.
- Design, code, and test programs in a high-level programming language to satisfy a business need as well as implement basic search algorithms.
- Provide insights with impact for data analytics problems after performing exploratory and correlation-regression statistical analysis on multivariate data by applying modeling and inferential statistical techniques.

This microcredential can be stacked into:

- [Computer Information Systems A.A.S.](#)
- [Computer Science A.S.](#)

Because a microcredential is comprised of short course sequences, requirements for a microcredential are to be completed at DCC. Any exception to this would require departmental approval in order to transfer in credits.

No more than 50% of credits may be accepted in transfer.*

A digital badge will be awarded to students who complete the required coursework and earn a 2.0 or higher in each course.

If the microcredential contains a certification exam, a successful score on that exam is also required for the award of the microcredential.

*Certain courses may be required to be taken at DCC; check your specific program for these exceptions.

Requirements

For requirements, see Program Map.

Program Map

Required Courses

Course		Course Hours Per Week		Semester Hours
		Class	Lab	Credit
	ENR 102 (Computer Programming for Engineers) OR CIS 112 (Computer Programming I) OR CPS 141			3-4
CIS-211	APPLIED DATABASE CONCEPTS	3	0	3
MAT-186	INTRODUCTION TO DATA SCIENCE	4	0	4
	Credit Hours	7	0	10-11

	Course Hours Per Week	Semester Hours
Total Required Minimum Semester Hours Credit		10

Contact Information

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