# DATA ANALYTICS, CERTIFICATE OF COMPLETION

## COMPUTER AND INFORMATION TECHNOLOGY

**Certificate of Completion: CCL 5884**
**18-24 Credits**
**Program Contact**
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## Program Description

The Certificate of Completion (CCL) in Data Analytics is designed to prepare students to model, synthesize, analyze, and present large data sets for business decision making. Courses will focus on the techniques and computer software used in industry to extract data from various data sources, model and integrate that data, and then visualize this data for business decision making and intelligence gathering. This program prepares students for industry certification and is embedded (can be used to fulfill requirements) in the Associate of Applied Science (AAS) in Data Analytics available at MCCCD.

## Program Notes

Students must earn a grade of C or better in all courses within the program. Overall program minimum GPA = 2.00.

CIS214DE is not equivalent to CIS214DA for the purposes of this certificate and should not be used to complete program requirements. Students who have completed GBS221 can use this course in lieu of GBS220.

Computer Information System (CIS) courses required by this program are not applicable if taken more than eight (8) years prior to the completion of the program of study. Consult with an Academic Advisor for complete information.

## Program Requirements

**Program Prerequisites: None**

| Code | Title | Credits | Semester |
|------|-------|---------|----------|
| **Required Courses** | | | _____ |
| CIS114DE | Excel Spreadsheet | 3 | _____ |
| CIS117DM | Microsoft Access: Database Management | 3 | _____ |
| CIS214DA | Advanced Excel for Data Analytics | 3 | _____ |
| CIS217AM | Advanced Microsoft Access: Database Management | 3 | _____ |
| or CIS276DA | MySQL Database | | _____ |
| or CIS276DB | SQL Server Database | | _____ |
| GBS151 | Introduction to Business | 3 | _____ |
| GBS220 | Quantitative Methods in Business | 3 | _____ |
| or GBS221 | Business Statistics | | _____ |
| Select one of the following: | | 0-6 | _____ |
| MAT150 | College Algebra/ Functions | | _____ |
| MAT151 | College Algebra/ Functions | | _____ |
| MAT152 | College Algebra/ Functions | | _____ |
| MAT155 | College Algebra/ Functions with Review | | _____ |
| MAT156 | College Algebra/ Functions with Review | | _____ |
| Satisfactory District math placement | | | _____ |
| **Total Credits** | | **18-24** | _____ |