



MARION
TECHNICAL COLLEGE
Marion County Public Schools, An Equal Opportunity School District

DATABASE APPLICATION DEVELOPMENT & PROGRAMMING

Course Schedule • Fall 2017–Spring 2018



Program Number: Y700300

Program Length: 1,200 hours, 60 weeks

Instructor(s)	Day/Night	Meeting Day(s)	Meeting Times	Start/End Date	Tuition	Lab Fee	Books (Estimate)	Misc. Fees (Estimate)	Total Program Costs
A. Comeau	Night	Monday – Thursday	5:00pm – 10:00pm	8/10/2017 – 11/1/18 1/2019 – 6/2020	\$3,504.00	\$576.00	\$312.00	\$1,337.00	\$5,729.00***

PROGRAM DESCRIPTION:

This program, Database Application Development and Programming, will provide students with the foundation to pursue many different professional opportunities and add real value to their resumes to attract potential employers. Students will be trained in all aspects of software development from database design through development of the user interface to deployment and support of completed software. The program is designed to provide as much of a real-world experience as possible with multiple projects, individual and team assignments, deadlines and user testing. Students will design real and useful software that they can take with them and claim as accomplishments. Successful students will be prepared to test for the Microsoft Technology Associate certifications in Database Essentials and Software Development. These certifications will provide valuable evidence to prospective employers that the person has the skills to enter into a variety of I.T. roles. Advanced students will be able to go on to earn certifications including the Microsoft Certified Solutions Associate (MCSA) in Database Development.

The content includes but is not limited to the fundamentals of programming and software development; procedural and object-oriented programming; creating regular and specialized applications using standard and extended Structured Query Language (SQL), including testing, monitoring, debugging, documenting, and maintaining database applications.

COURSES:

Information Technology Assistant **OTA0040**

Computer Programmer Assistant **CTS0041**

(Prerequisite: OTA0040)

Computer Programmer **CTS0044**

(Prerequisites: OTA0040, CTS0041)

Database Programmer **CTS0062**

(Prerequisites: OTA0040, CTS0041, and CTS0044)

EMPLOYMENT OUTLOOK:

Growth plus replacement needs for Computer Programmers in Florida are estimated to average about 576 openings per year from 2015–2023. Of these estimated 576 openings per year, 27.3% percent are due to growth (new positions) and 72.7% percent are due to replacements (workers leaving this occupation). This compares with all occupations in Florida where 40% percent of annual openings are due to growth (new positions) and 60% percent of annual openings are due to replacements (workers leaving this occupation).*

SALARY RANGE:

In the state of Florida, computer programmers may earn an annual salary between \$47,082 and \$93,351. Nationally, computer programmers may earn between \$44,450 and \$130,800.**

ADMISSION REQUIREMENTS:

- Standard career and technical program admission procedures apply.
- High school diploma—standard or GED strongly recommended.
- Drug screen and criminal background check
- Computer Literacy Assessment (conducted by MTC)
- Interviews will be scheduled for applicants meeting criteria and deadline.

CERTIFICATE OF COMPLETION:

Students may earn a course certificate at the end of each course listed above upon successful completion of course requirements. Upon completion of all program requirements, students earn a Certificate of Completion in Database Application Development & Programming.

APPLICATION DEADLINES:

For the August 2017 class, applications are due by April 6, 2017. For the January 2019 class, the application due date will be announced. However, applications will be accepted until the class fills.

INFORMATION SESSIONS:

All students planning to apply for the 2018 Applied Cybersecurity and/or Technology Support Services classes are strongly recommended to attend one of the following information sessions:

August 2017 Class | 6:00pm at Brewster Hall on MTC Campus

8/21/2017	1/22/2018
9/18/2017	2/12/2018
10/9/2017	3/19/2018
11/13/2017	4/9/2018
	5/7/2018

This program is approved for VA training.

Dual Enrollment Eligible Program

All fees are subject to change.

Please contact the Student Services Department for current costs.

* Source: Florida's Labor Market Statistics Center

** Source: Bureau of Labor Statistics, Occupational Employment Statistics

*** Includes the Miscellaneous Fee of \$1,337.00 which consists of a student laptop and certification fees.