Mountain Empire Community College
Publication Change Form

Please fill in and print this page to request changes to MECC's publications. This process provides for MECC's publications on the college's web site to be maintained with up-to-date information, unlike the printed copies that are updated once a year.

Change Applies to: ☑ Catalog ☐ Student Handbook ☐ Other _____

Type of Change: ☐ Update ☐ Deletion ☑ Addendum

Does the change need to be applied to the website? ☑ Yes ☐ No

If yes, which web page(s) requires the change? Computer Software Specialist Mobile (222-299-00)

Current Page Number: 234,235 -or- Proposed Page Number: _____

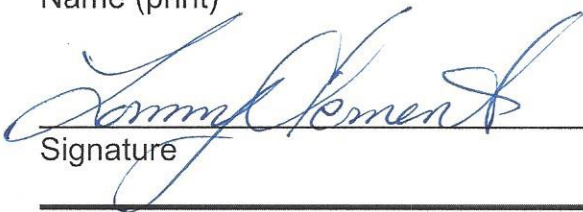Effective Date: Fall 2019

Brief Description of Change:

Remove ITP 120 Java Programming I
Remove ITP 220 Java Programming II
Add ITP 270 Programming for Cybersecurity
Change credits form 24 to 21

Remove Chris Bishop from Contact add Ritchie Deel

Person Submitting Change:

Tommy Clements
Name (print)

Tommy Clements
Signature

Vice President of Academic Affairs and Workforce Solutions:

[signature]
Signature

6-4-19
Date

Send this form and attachments to the office of the Vice President of Academic Affairs and Workforce Solutions.

Original - The Office of the Vice President of Academic Affairs and Workforce Solutions
Copies - Computing and Information Technology and Printing Services

TECHNOLOGY

Career Studies Certificate

CSS - MOBILE APPLICATION DEVELOPMENT (221-299-00)

Purpose

The Computer Software Specialist - Mobile Application Development Career Studies Certificate is designed to prepare students to enter the workforce as mobile application developers who can create and test business-oriented software applications. The curriculum consists of general and specialized computer courses with an emphasis in mobile applications programming.

Program Learning Outcomes (PLO): Upon successful completion, students will be able to:

1. Write application software that makes efficient and secure use of operating system services.
2. Develop an information system using accepted software development processes.
3. Produce user applications using a specialized technology that builds upon fundamental software development practices.
4. Analyze a problem and identify the appropriate data, hardware components and/or software requirements to develop a feasible solution.
5. Use current tools and practices that support the software documentation process.
6. Document system requirements and/or develop materials for clients in the proper use of hardware or software.
7. Work cooperatively and effectively in teams to accomplish a shared goal.
8. Analyze local and global information technology (IT) trends, while recognizing the influences of IT on cultural, economic, ethical, and legal issues and responsibilities.
9. Support the management of information systems.
10. Use logical and mathematical reasoning to analyze, organize, and interpret data.

Employment Opportunities

Job opportunities in the immediate area and throughout the nation abound for students trained in computers. According to the Bureau of Labor Statistics' website, employment of software developers is projected to grow 24% from 2016 to 2026, which is much faster than the average for all occupations. Software developers will be needed to respond to an increased demand for computer software.

FOR FURTHER INFORMATION, CONTACT:

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COMPUTER SOFTWARE SPECIALIST
- MOBILE APPLICATION
DEVELOPMENT PROGRAM OF
STUDY

Course #	Course Title	Credit	Pre-Requisite Courses (if applicable)
ITD 110	Web Page Design I	3	
ITD 210	Web Page Design II	3	ITD 110
ITP 100	Software Design	3	
ITP 140	Client Side Scripting	3	ITD 110 co-requisite
ITP 225	Web Scripting Languages	3	ITD 110 Co-requisite
ITP 247	Native Mobile Programming	3	ITP 220
ITP 270	Programming for Cybersecurity	3	

TOTAL PROGRAM CREDITS 21

Notes and Additional Curriculum Options
Course substitutions may be available. Please see your advisor.