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? Software Development I (221-299-01) _____

Current Page Number: 240 _____ -or- Proposed Page Number: _____

Effective Date: Fall 2019 _____

Brief Description of Change:

Remove ITP 120 Java Programming I
Add SDV 101 Orientation
Change total hours form 19 to 16

Remove Chris Bishop from Contact add Ritchie Deel

Person Submitting Change:

Tommy Clements
Name (print)

Signature
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

Process for Submitting Publication Changes

Publication changes are submitted when the change involves a policy, curricular or process change after college publications have been printed.

1. Complete all appropriate fields on the form.
2. Attach the addendum and/or updates to the form.
3. Sign the form.
4. Submit the form and attachments to the office of the Vice President of Academic Affairs and Workforce Solutions except for new curricula (see #6).
5. The staff of the Vice President of Academic Affairs and Workforce Solutions will vote to accept or decline the change.
6. Once approved, the office of the Vice President of Academic Affairs and Workforce Solutions will distribute copies of the form and the attachments in Word format to Computing and Information Technology and Printing Services for changes to be made to the MECC website and the new publication. *New Curricula - The office of the Vice President of Academic Affairs and Workforce Solutions will submit this form along with the new curriculum once it has been approved by the VCCS and SACSCOC.*
7. The original form will reside in the office of the Vice President of Academic Affairs and Workforce Solutions for the required time frame stated within the Records and Retention Policy.

SOFTWARE DEVELOPMENT I (221-299-01)

Purpose
The Software Development I Career Studies Certificate is designed to prepare students to enter the workforce as software developers who can create and test business-oriented software applications. The curriculum includes general and specialized computer courses focusing on programming and database applications. This certificate includes both classroom and lab instruction.

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. Analyze a problem and identify the appropriate data, hardware components and/or software requirements to develop a feasible solution.
3. Use current tools and practices that support the software documentation process.
4. Document system requirements and/or develop materials for clients in the proper use of hardware or software.
5. Work cooperatively and effectively in teams to accomplish a shared goal.
6. Analyze local and global information technology (IT) trends, while recognizing the influences of IT on cultural, economic, ethical, and legal issues and responsibilities.
7. 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.

SOFTWARE DEVELOPMENT I PROGRAM OF STUDY

Course #	Course Title	Credit	Pre-Requisite Courses (if applicable)
ITD 110	Web Page Design I	3	
ITN 171	UNIX I	3	
ITP 100	Software Design	3	
ITP 140	Client Side Scripting	3	ITD 110 co-requisite
ITP 132	C++ Programming I	3	ITP 100 or MTH 163
SDV 101	Orientation	1	
TOTAL PROGRAM CREDITS		**16**	

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

FOR FURTHER INFORMATION, CONTACT:

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