



CREATE APPS

Students will play with robots to learn about logic. Students in the App class will learn about and gain practice developing mobile and web Apps. As part of the course, students will create example applications that they can install on their mobile devices.
Contact Terri Lane, 523-2400, ext. 240 or tlane@mecc.edu for additional information.

CREATIVE WRITING/SCIENCE FICTION

World of Creative Writing: Introduction to the writing of original short fiction, poetry and creative nonfiction. Instruction in literary techniques will direct the student's writing. In addition to working within literary conventions to produce manuscripts, students will be exposed to exemplary texts by selected authors, as well as compare/watch films to learn about various thematic elements. Students will be introduced to markets for creative writing, learn about the publishing industry, and encouraged to submit work for publication.

Science Fiction Literature & Film: Nonhuman Narrators: Examines literature and films where the story is focalized around a point of view from a character/ entity that is NOT human. We will read works and examine films that contain, if not one main character, several viewpoints from a nonhuman entity; such as the planet in the film/novel *Solaris*, the computer Hal from the film/novel *2001: A Space Odyssey*, or Samantha, an intelligent computer operating system personified through a female voice, in the film *Her*. We will read excerpts from major science fiction works, short stories and essays, along with film theory. Class project includes artwork, character dress up, building machines/technological murals, and writing our own stories!
Contact Janet Richards, 523-2400, ext. 295 or jrichards@mecc.edu for additional information.

Mountain Empire Regional Governor's School sponsored by:
 The Virginia Department of Education,
 The Slemp Foundation,
 and Mountain Empire Community College

ENTREPRENEURSHIP AND REGIONAL TOURISM

Southwest Virginia is rich with music, history, cultural expressions, and outdoor recreation. In the Regional Tourism strand you will experience what our area has to offer tourists. We will visit Heartwood the gateway to Southwest Virginia craft, music, food, and local culture; Wilderness Road State Park which features the reconstructed Martin's Station, an outdoor living history museum depicting life on Virginia's 1775 frontier; Southwest Virginia Museum; plus other sites of local interest. In the Entrepreneurship strand you will research a tourist or business idea then create a business plan and presentation. Lots of hands-on activities!
Contact Jane A. Jones at 523-2400, ext 249 or jjones@mecc.edu for additional information.

FORENSICS FOR THE BIOLOGY LAB

Students will learn basic concepts of forensic techniques, to include items such as evidence collection, blood stains, toxicology, firearms evidence, and human anatomy. The Amanda Knox case will be reviewed. Students will also learn the basic techniques of lab chemical analysis by participating in experiments such as blood drop analysis, crime scene evaluations, finger print patterns, bullet trajectory, and reconstructing a skeleton.
Contact Anthony Russo, 523-2400, ext. 460 or arusso@mecc.edu for additional information.

GOING GREEN

This course introduces renewable electrical energy and makes a comparison of traditional electrical energy production to renewable energy production such as solar photovoltaic and wind turbine electrical energy production. An introduction of basic electrical theory will provide students with an understanding of how electricity is monitored and measured. The main focus of the course will be on solar photovoltaic fundamentals and practical applications. Students will learn how to evaluate location and positioning of solar modules to provide optimum energy collection and production.
Contact Roger Greene, 523-2400, ext. 262 or rgreene@mecc.edu for additional information.



EXPERIENCE THE FUN

JUNE 13 - JUNE 24



<http://www.mecc.edu/gsap>



Join

MOUNTAIN EMPIRE COMMUNITY COLLEGE
GOVERNOR'S SCHOOL TWENTY SIXTEEN
AND EXPERIENCE THE FUN!

REGIONAL GOVERNOR'S SCHOOL

The three-week program features a variety of hands-on activities in one of eight subject areas selected by the student. Students will spend time in the field, in labs, on tours, and in the classroom with the faculty of **Mountain Empire Community College, receiving 8 college credit hours - tuition free.**

Governor's School 2016 is open to rising sophomores, juniors, or seniors in the counties of Lee, Scott, Wise, and Dickenson and the City of Norton who have a 3.0 GPA or higher. Interested individuals should contact:

The Governor's School Coordinator, John Bledsoe at 523.2400, ext. 307, or govschool@mecc.edu. Applications are available online at: <http://www.mecc.edu/gsap>

DEADLINE FOR APPLICATIONS IS MAY 13, 2016.

HAVE FUN WHILE YOU LEARN... ON THE CAMPUS OF MECC!



Acceptance on a first-come, first-served basis – space is limited
SO APPLY EARLY!



SUBJECTS INCLUDE:

ART ILLUSTRATION AND ANIMATION

Animation: This course offers an introduction to animation. The student will become familiar with the 12 basic principles of 2D and 3D animation through the use of both traditional and computer assisted techniques. Also, basic cinematic composition, basic color theory, and basic studio practices will be introduced and used to create a 3 minute final animation project.

Illustration: This strand will cover some of the basics of both traditional and computer assisted illustration. The student will be introduced to basic design, color theory, and basic "work flow" practices. Many of the materials and techniques will be incorporated into compositions used in the second half of the strand, animation.

Contact *Jim Veenstra (animation) jveenstra@mecc.edu or Misty Stratton (illustration) mstratton@mecc.edu for additional*

JUNE 13 - JUNE 24

Daily from 9:00 a.m. to 4:30 p.m. with some extended hours on field trip days.

FOUNDATIONS FOR ADVANCED MANUFACTURING

The Manufacturing Technician 1 training program addresses the core technical competencies required for skilled production occupations in all sectors of manufacturing. Training Modules include Safety, quality practices and measurement, manufacturing processes, electrical and mechanical basics and maintenance awareness. At the end of training, trainees may sit for the certification exam which assesses 12 critical technical skills areas. Instructional methods will include lectures, demonstrations, labs, and online activities with the MT1 Action Learning Lab.
Contact *Jim Garland, 523-2400, ext. 265 or jgarland@mecc.edu for additional information.*

CYBER SECURITY

Our entire world now revolves around Cyber Security. We are more reliant on modern technology. As a result, we become more vulnerable to cyber-attacks. Cyber hackers follow a number of techniques in order to acquire sensitive information from our devices. Join Mountain Empire Community College's effort to prepare students to become National Cyber Security Professionals. Students will receive extensive security training in various operating systems and applications in order to prevent cyber-attacks.
Contact *Nasser Maksoud, 523-2400, ext. 259 or nmaksoud@mecc.edu for additional information.*

DRAMA THEORY AND PERFORMANCE

Students will learn the basic components of play production, including lights, sound, writing a play, set design, character study, and theatre history. During the session, students will produce a full length play. This play will be performed during the Governor's School closing ceremonies.
Contact *Joel Bailey, jbailey@mecc.edu for additional information.*

ENGINEERING DESIGN

Students will be trained in the contemporary techniques of Design Engineering. Students will be introduced to 3D modeling, rendering, animation and rapid prototyping and their roles in the process. Students will create computer generated 3D solid models for architectural, mechanical, and civil product design. Computer animation will be used to develop walk-throughs and fly-overs for presenting innovative designs. Classes will include guest speakers and students will take several field trips to local engineering businesses.
Contact *Jake Gilly, 523-2400, ext. 280 or jgilly@mecc.edu for additional information.*