

Melvin C. Gill, Jr.

Meade High School
1100 Clark Road
Ft. Meade, MD 20755
mgill@aacps.org

EDUCATION

University of Maryland Eastern Shore, Princess Anne, MD
January 2009-May 2012
Master of Education in Career and Technology Education

University of Maryland Eastern Shore, Princess Anne, MD
August 2002-May 2005
Bachelor of Science in Technology Education, cum laude

Anne Arundel Community College, Arnold, MD
September 2000-July 2002

WORK EXPERIENCE

University of Maryland Eastern Shore; Baltimore, MD July 2012- present
Part time lecturer

Completed all duties of an Adjunct Faculty, teaching:

CTED 687 Foundation of Technology and Engineering
Summer 2019

EDTE 481 Facilities Organization and Management
Fall 2015, 2016, 2017, 2018, & 2019 Spring 2014, 2015, 2016, 2017, 2018 & 2019

EDTE 485 Safety in Career and Technology Education
Summer 2013, 2014, & 2015

EDTE 487 Foundations of Technology
Summer 2014 & 2017

EDTE 368 Curriculum Development and Methods of Teaching
Fall 2013 & 2014

EDTE 440 Integrating Mathematics and Science in Career and Technology Education
Summer 2012, Spring 2013, 2014, & 2015

Anne Arundel County Public Schools; Annapolis, MD August 2010-present
Technology Education Department Chair

Complete all duties of a Department Chair by:

- Developing department goals that support school and school system goals
- Creating, implementing, and evaluating a plan to support department goals
- Monitoring effective delivery of the curriculum
- Providing mentoring and support for all teachers within the department
- Participating in the interviewing and hiring process
- Serving as a liaison among content coordinator, principal, and department members
- Maintaining the department budget

Department of Defense Education Activity (DoDEA) Cyber LAUNCH Grant March 2019-May 2022
Meade High School Point of Contact

Assisted teachers with the following activities funded by the grant

- Field trips
- Collaborative planning
- Stipends for extracurricular activities, Cyber related

Maryland Center for Career and Technology Education Studies Fall 2012, 2013, 2014, & 2015
Baltimore, MD

Workshop Instructor

- Instruct Technology Education teachers on safety related to scrollsaw, drill press, bandsaw, stationary sander, table saw, soldering iron, utility knives, and hot glue guns

Department of Defense Education Activity (DoDEA) STEM Grant March 2014-June 2016
Meade High School Lead Teacher

Assisted teachers with the following activities funded by the grant

- Field trips
- Collaborative planning
- Stipends for extracurricular activities, STEM related

SeaPerch Underwater Robotics December 2013- June 2015
Club co-advisor

Anne Arundel County Public Schools; Annapolis, MD July 2009-July 2012
Summer Bridge Instructor

Instruct students enrolled on basic Computer Aided Drafting (CAD) techniques and problem-solving strategies

Meade High School; Ft. Meade, MD July 2009-August 2015

Middle Years Programme Lead Teacher for Foundations of Technology

Facilitate Foundations of Technology teachers to align the curriculum and teaching strategies with the goals and expectations of the International Baccalaureate Middle Years Programme

Anne Arundel County Public Schools; Annapolis, MD August 2005-present
Technology Educator/Project Lead The Way Instructor

Complete all duties of a Technology Education teacher by teaching:

- Architectural Design and Development 1 & 2; students complete mechanical drawings of residential architectural details and house plans
- Computer Integrated Manufacturing; students learn processes in which products are made
- Digital Electronics; teaches students the basics of integrated circuits
- Engineering Design and Development; students research, design, construct, and test a solution to an engineering problem
- Engineering Drawing 1 & 2; students complete various technical drawings using drafting tools and CAD software
- Introduction to Engineering Design; students complete the design process with 3D modeling software
- Manufacturing and Construction Technologies; exposing students to machining process with hands-on activities

Anne Arundel County Public Schools; Annapolis, MD
Long-term Substitute
Completed all duties of a Technology Education teacher

May 2004-January 2005

Refereed Journal Articles

Gill, M., K. Koperski, Love, T. S., and Roy, K. R. Developing a culture of safety through departmental planning. *Technology and Engineering Teacher*. 79 (1) 22-25.

Gill, M. (2019). What do New Technology and Engineering Teachers Need to Know? *Technology and Engineering Teacher*. 78 (7). 14-18.

Gill, M. (2014). Assessment in Introduction to Engineering Design. *electronic Technology and Engineering Teacher*. 74(1) 1-3.

PROFESSIONAL SERVICE

2020 International Technology and Engineering Educator Association (ITEEA) Conference Planning Committee, Baltimore, MD
Local Arrangements Committee Co-chair

March 2019-present

Maryland Affiliate Representative
International Technology and Engineering Educators Association (ITEEA)

March 2019-present

Technology and Engineering Educators Association of Maryland (TEEAM)
Recording Secretary, Executive Board

February 2017- March 2019

Anne Arundel Community College; Arnold, MD
Supervising teacher for teacher observation hours
Teacher education candidate completed 15 hours

Spring 2019

Editorial Review Board member
Technology and Engineering Teacher
International Technology and Engineering Educators Association (ITEEA)

March 2013- March 2019

Reviewed Textbook for Publication
K. R. Roy and T. S. Love. (2017). *Safer Makerspaces, Fab Labs, and STEM Labs*. Reston, VA

Summer 2017

2016 International Technology and Engineering Educator Association (ITEEA)
Conference Planning Committee, Washington D.C.
Local Arrangements Committee Co-chair

June 2014-March 2016

Anne Arundel Community College; Arnold, MD
Maryland State Department of Education Program Review Interviewee
Maryland Approved Alternative Preparation Program/ Resident Teacher Certificate Program
Panel Participant for program review

Fall 2012

Anne Arundel Community College; Arnold, MD
Resident Teacher Certificate Academic Advisor

January 2012-Spring 2013

Complete all duties of an Academic Advisor by assisting with the development of content knowledge

Anne Arundel Community College; Arnold, MD
Resident Teacher Certificate Mentor Teacher
Complete all duties of a mentor teacher by evaluating the progress of new teacher

Fall 2011

CONFERENCE PRESENTATIONS

Supporting New Technology and Engineering Teachers
International Technology and Engineering Educators Association (ITEEA)
Annual Conference
Kansas City, Missouri

March 2019

Enhancing Sketching Skills
Technology and Engineering Educators Association of Maryland (TEEAM)
Annual Conference
Baltimore, Maryland

October 2018

Praxis II Basics
Technology and Engineering Educators Association of Maryland (TEEAM)
Annual Conference
Baltimore, Maryland

October 2017

AWARDS

International Technology and Engineering Educators Association (ITEEA)
Emerging Leader
<https://www.iteea.org/Activities/AwardsScholarships/Awards/el/45159.aspx#tabs>

March 2019

International Technology and Engineering Educators Association (ITEEA)
Teacher Excellence Award
<https://www.iteea.org/Activities/AwardsScholarships/Awards/TeacherExcellenceAward/43876.aspx?id=43876>

March 2017

Anne Arundel County Public Schools
STEM Teacher Fellow Award

May 2013

Armed Forces Communication and Electronics Association, Central Maryland
4 Teacher Toolkit Award

May 2007

COURSE CERTIFICATIONS

Project Lead The Way:

- Digital Electronics Level 2; University of Maryland Baltimore County August 2009
- Engineering Design and Development; University of Maryland Baltimore County July 2008
- Computer Integrated Manufacturing; University of Maryland Baltimore County August 2006
- Introduction to Engineering Design; University of Tennessee at Chattanooga July 2006
- Digital Electronics; University of Maryland Baltimore County July 2005

REFERENCES

Fredrick Rivers
Principal
Meade High School
frivers@aacps.org

Thomas Loveland, Ph.D.
Coordinator, Graduate Studies Career and Technology Education
University of Maryland Eastern Shore
tloveland@umes.edu

John Heinz
Teacher Specialist for Technology Education
Anne Arundel County Public Schools
jheinz@aacps.org