

University of Maryland, Baltimore County

*In recognition of the successful completion of the
requisite course of study and on nomination of the Faculty of the*

Graduate School

*by virtue of authority granted by the State of Maryland to the Board of Regents
of the University System of Maryland hereby confers upon*

James Patrick Howard, II

the degree of

Doctor of Philosophy

*with all the honors, rights and privileges thereunto appertaining. In witness whereof this
Diploma, signed by the authorized officers of the University and sealed with the
corporate seal of the University of Maryland, Baltimore County, is granted.*

Given at the University of Maryland, Baltimore County on the twenty-first day of May, two thousand fourteen.



James L Drew
Chair, Board of Regents,
University System of Maryland

Freeman A. Hrabowski III
President,
University of Maryland, Baltimore County

WE Ciwan
Chancellor,
University System of Maryland

Jonit C. Rutledge
Dean, Graduate School,
University of Maryland, Baltimore County