



MHEC

MARYLAND HIGHER EDUCATION COMMISSION

**PROGRAM DUPLICATION/
PROLIFERATION REPORT:**

**2015 COLLEGIATE
PROGRAM ACTIONS BY THE
MARYLAND HIGHER
EDUCATION COMMISSION**

MSAR #2387

March 2017

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EXECUTIVE SUMMARY

In accordance with § 11-206.1 of the Education Article, this report addresses the issue of program duplication and proliferation among collegiate program approvals granted by the Maryland Higher Education Commission (MHEC) in 2015. Specifically, MHEC is required to:

- (1) Monitor the program development and review process established under this section;
- (2) Report annually to the Governor and, in accordance with § 2-1246 of the State Government Article, the General Assembly on the nature and extent of any duplication or proliferation of programs; and
- (3) Make available a copy of the report under item (2) of this subsection to the public institutions of higher education and the private nonprofit institutions of higher education.

This report is divided into six sections. Section I includes a summary of all MHEC program proposal actions taken in 2015, including the approval of new degree programs, certificate programs, and areas of concentration at both in-state and out-of-state institutions. It also includes the acknowledgment of new institutional partnership agreements and the approval of existing programs approved for off-site delivery. Finally, it includes the number of suspended and discontinued programs, program proposals withdrawn, and program proposals not approved or recommended.

Section II provides an analysis of new degree programs approved for offering by Maryland in-state colleges and universities at the associate's, bachelor's, master's, and doctoral levels. It includes an indication of whether at least one program of a similar nature is already offered at a Maryland in-state institution. A summary of the MHEC staff analysis process for duplication and proliferation is included, citing the applicable COMAR regulations. Section III contains a similar analysis for certificate programs, Section IV for areas of concentration, and Section V for academic programs from out-of-state institutions that were authorized to be offered in Maryland. Section VI provides a summary analysis of those programs that were not approved or recommended for implementation by MHEC in 2015.

In 2015, 107 of 393 (27%) approved in-state and out-of-state academic programs were determined by MHEC to be completely unique and not previously offered in Maryland. The remaining 286 academic programs were already offered by at least one in-state college or university, but were determined to meet the standards for reasonable duplication. Academic programs include degrees and certificates, but not areas of concentration within degree programs.

SECTION I

2015 MHEC COLLEGIATE PROGRAM ACTIONS SUMMARY

New Degree Programs:	27	at independent colleges and universities
	31	at public four-year colleges and universities
	28	at public community colleges
New Certificate Programs:	13	at independent colleges and universities
	9	at public four-year colleges and universities
	27	at public community colleges
New Areas of Concentration:	14	at independent colleges and universities
	26	at public four-year colleges and universities
	8	at public community colleges
Out-of-State Institutions:	136	new programs at out-of-state institutions
	122	renewal programs at out-of-state institutions
Institutional Program Partnerships:	27	new partnership agreements
Off-Campus Program Site Delivery:	8	proposals
Proposals Withdrawn:	5	proposals
Programs Discontinued/Suspended:	62	at independent colleges and universities
	41	at public four-year colleges and universities
	47	at public community colleges
Proposals Not Approved/Recommended:	8	new programs
Total Program Proposal Actions:	<u>639</u>	

SECTION II

ANALYSIS OF NEW DEGREE PROGRAMS OFFERED BY MARYLAND COLLEGES AND UNIVERSITIES

In 2015, a total of 86 new degree programs at in-state institutions were either approved (applies to public institutions) or recommended for implementation (applies to independent institutions) by MHEC. By segment, 27 of these programs were recommended for independent colleges and universities, 29 approved for public four-year colleges and universities, and 30 approved for public community colleges. They are listed by degree type below, with the approval or recommendation date listed in the parentheses.

Those programs marked with an asterisk (*) below represent new MHEC approvals or recommended implementations for substantial modifications to existing degree programs, which required full approval by MHEC due to more than 33% of the original degree program being modified, or due to the original degree program being newly offered through distance education.

Associate's Degrees

Program Title and Approval/Recommendation Date	Offered Elsewhere in Maryland
Associate of Applied Science Graphic Design for Web and Interaction (Approved 3/27/2015)	Y
Associate of Applied Science in Design, Fabrication & Advanced Manufacturing -(Approved 4/10/2015)	Y
Associate of Applied Science in Digital Media Production - (Approved 4/15/2015)	Y
Associate of Applied Science in Fire Service Administration - (Approved 5/20/2015)	Y
Associate of Applied Science in Cybersecurity - (Approved 5/26/2015)	Y
Associate of Applied Science in Cyber Security and Assurance - (Approved 6/17/2015)	Y
Associate of Applied Science in Professional Pilot – Helicopter - (Approved 6/17/2015)	N
Associate of Applied Science in Professional Pilot – Airplane - (Approved 6/17/2015)	N
Associate of Arts in Health, Fitness & Exercise Science - (Approved 6/19/2015)	Y
Associate of Applied Science in Music - (Approved 6/23/2015)	Y
Associate of Arts in Communication Studies - (Approved 6/30/2015)	Y
Associate of Science in Labor Studies (Approved 7/13/2015)	N
Associate of Arts in Computer Science & Technologies (Approved 7/23/2015)	Y
Associate of Arts in Business (Approved 7/23/2015)	Y
Associate of Applied Science in Professional Pilot – Unmanned Aircraft System (Approved 8/3/2015)	N
Associate of Applied Science in Air Traffic Control (Approved 8/3/2015)	N
Associate of Applied Science in Aircraft Dispatcher (Approved 8/3/2015)	N
Associate of Applied Science in Advanced Manufacturing Systems (Approved 8/3/2015)	N

Program Title and Approval/Recommendation Date	Offered Elsewhere in Maryland
Associate of Arts in Paramedic to RN Pathway (Approved 8/6/2015)	N
Associate of Applied Science in Criminal Justice (Approved 9/4/2015)	Y
Associate of Arts in General Studies (Approved 9/11/2015)	Y
Associate of Applied Science in Fire Science and Leadership (Approved 9/25/2015)	Y
Associate of Applied Science in Landscape Architecture – (Approved 10/5/2015)	N
Associate of Applied Science in Information Systems Security (Cybersecurity) (Approved 10/5/2015)	Y
Associate of Fine Arts in Art and Design (Statewide Designation Status) - (Approved 10/21/2015)	Y
Associate of Applied Science in Computer Gaming and Simulation (Approved 11/6/2015)	N
Associate of Science in Environmental Studies – (Approved 11/8/2015)	Y
Associate of Science in Public Health Sciences – (Approved 11/16/2015)	N

Bachelor's Degrees

Program Title and Approval/Recommendation Date	Offered Elsewhere in Maryland
Bachelor of Science in Adventure Sports Management - (Approved 4/14/2015)	N
Bachelor of Science in Engineering - (Approved 5/26/2015)	Y
Bachelor of Science in Environmental Science and Geography - (Approved 6/17/2015)	Y
Bachelor of Arts in Geography and Environmental Studies - (Approved 6/17/2015)	Y
Bachelor of Science in Secondary Teacher Education - (Approved 6/22/2015)	Y
Bachelor of Science in Health Science - (Approved 6/23/2015)	Y
Bachelor of Arts in Philosophy, Society and Applied Ethics - (Approved 6/30/2015)	N
Bachelor of Science in Labor Studies (Approved 7/13/2015)	N
Bachelor of Science (B.S.) in Medical Imaging (Recommended 7/14/2015)	Y
Bachelor of Science (B.S.) in Electrical Engineering (Approved 7/24/2015)	Y
Bachelor of Science (B.S.) in Business Administration (Approved 8/11/2015)	Y
Bachelor of Arts in Music Education (Approved 8/14/2015)	Y
Bachelor of Arts in Music Performance (Approved 8/14/2015)	Y
Bachelor of Arts in Music Technology (Approved 8/14/2015)	Y
Bachelor of Arts in Music Composition (Approved 8/14/2015)	Y
Bachelor of Arts in Jazz Studies (Approved 8/14/2015)	Y
Bachelor of Arts in Environmental Studies (Approved 8/17/2015)	Y
Bachelor of Science in Health Care Administration (Approved 8/21/2015)	Y
Bachelor of Science in Health Information Management (Approved 8/21/2015)	Y
Bachelor of Science in Health Care Administration (Approved 8/21/2015)	Y
Bachelor of Science in Health Sciences - (Approved 11/3/2015)	Y

Master's Degrees

Program Title and Approval/Recommendation Date	Offered Elsewhere in Maryland
Master of Education in Literacy Education, Reading Specialist (Recommended 1/20/2015)	Y
Master of Science in Information Systems (Approved 1/20/2015)	Y
Master of Science in Social Work (Approved 1/29/2015)	Y
Master of Science in Counseling (Recommended 2/10/2015)	Y
Master of Education in Special Education at Bishop McNamara High School (Recommended 2/18/2015)	Y
Master of Science in Kinesiology (Approved 2/26/2015)	Y
Master of Science in Athletic Training (Approved 3/27/2015)	N
Master of Business Administration (Recommended 4/1/2015)	Y
*Master of Business Administration modification - (Recommended 4/1/2015)	Y
*Master of Science in Applied Biomedical Engineering modification - (Recommended 4/14/2015)	Y
Master of Bioethics - (Recommended 4/20/2015)	N
*Master of Arts in History of Medicine modification - (Recommended 4/22/2015)	Y
*Master of Science in Health Promotions modification - (Recommendation 4/22/2015)	Y
*Master of Arts in Public Management modification - (Recommended 5/04/2015)	Y
Master of Science in Cloud Computing Architecture - (Approved 6/01/2015)	N
Master of Science in Cyber Security Engineering Technology - (Approved 6/19/2015)	N
*Master of Science in Therapeutic Herbalism modification - (Recommended 6/22/2015)	Y
Master of Education in School Counseling - (Approved 6/30/2015)	Y
Master of Education in School Counseling at the University System of Maryland - Hagerstown (Approved 7/09/2015)	Y
Master of Science in Learning Design & Technology (Approved 7/10/2015)	Y
*Master of Business Administration (Recommended 7/10/2015)	Y
*Master of Arts in Curriculum and Instruction (Recommended 7/10/2015)	Y
Master of Arts in Work and Labor Policy (Approved 7/13/2015)	N
Master of Science in Nursing Education (Recommended 7/13/2015)	Y
*Master of Science in Nursing and Business Leadership (Recommended 7/13/2015)	Y
RN to Master of Science in Nursing (Recommended 7/14/2015)	Y
*Master of Science in Applied Health Sciences Information (Recommended 7/16/2015)	Y
Master of Education in Education Leadership (Recommended 7/17/2015)	Y
Master of Education in Literacy Education, Reading Specialist (Recommended 7/20/2015)	Y
Master of Education in Education Technology (Recommended 7/20/2015)	Y
Master of Arts in Global Risk (Recommended 9/24/2015)	Y
*Master of Mechanical Engineering (Recommended 9/25/2015)	Y

Doctoral/Professional Degrees

Program Title and Approval/Recommendation Date	Offered Elsewhere in Maryland
Doctor of Philosophy in Management and Decision Sciences (Recommended 2/26/2015)	Y
Doctor of Philosophy in Higher Education Leadership for Changing Populations - (Recommended 4/22/2015)	N
Doctor of Business Administration (D.B.A.) (Approved 8/17/2015)	Y
Doctorate of Organizational Leadership - (Recommended 11/24/2015)	Y
Doctorate of Business Administration in Organizational Leadership (Recommended 11/24/2015)	N

Summary of New Degree Programs in 2015 by Discipline Type

	Associate's Degrees	Bachelor's Degrees	Master's Degrees	Doctoral/ Professional Degrees
Allied Health/Health-related	2	6	7	0
Aviation	3	0	0	0
Business/Management/Finance/Economics	1	2	4	4
Communication/Media/Marketing	4	0	0	0
Computer/Information Science	4	0	2	0
Counseling/Psychology	0	0	3	0
Cybersecurity	3	0	0	0
Education	0	1	7	1
Emergency/Protective Services	3	0	0	0
Engineering/Engineering Technology	0	2	3	0
Environmental Science/Studies	1	3	0	0
Exercise Science	1	0	2	0
Fine Arts	2	5	0	0
Humanities/Liberal Arts	1	1	2	0
Industry/Labor	3	1	1	0
Social Work/Social Science	0	0	1	0
Total	28	21	32	5

MHEC Staff Analysis for Proliferation or Duplication

Of the 86 degree programs at in-state institutions that were approved or recommended for implementation by MHEC in 2015, 65 were already being offered by at least one other in-state college or university. In the tables above, those programs are marked with a “Y” in the column titled “Offered Elsewhere in Maryland.” In these cases, MHEC staff determined that such duplication was reasonable. The remaining 21 programs, marked with an “N” in the column titled “Offered Elsewhere in Maryland,” were determined to be unique programs that were not currently being offered at any other in-state college or university.

The Collegiate Unit in MHEC’s Division of Academic Affairs conducts reviews of program proposals submitted by both in-state and out-of-state institutions. The Collegiate Unit distributes each proposal to all in-state institutions for review and comment, and considers any comments or objections submitted during the review of the program proposals. In-state program proposal reviews are governed by COMAR 13B.02.03.06 and use the following criteria:

- Centrality to institutional mission statement and planning priorities
- Critical and compelling regional or Statewide need as identified in the State Plan
- Quantifiable and reliable evidence and documentation of market supply and demand in the region and service area
- Reasonableness of program duplication, if any
- Relevance to the implementation or maintenance of high-demand programs at HBIs
- Relevance to the support of the uniqueness and institutional identities and missions of HBIs
- Adequacy of curriculum design and delivery to related learning outcomes
- Adequacy of faculty resources
- Adequacy of library resources
- Adequacy of physical facilities, infrastructure, and instructional equipment
- Adequacy of financial resources
- Adequacy of provisions for evaluation of program
- Consistency with the Commission’s minority student achievement goals
- Relationship to low productivity programs identified by the Commission¹

When determining if proposed programs are duplicative of similar programs in the State and/or same geographic area, MHEC staff members conduct a Classification of Instructional Program Standard Occupational Code (CIP-SOC) analysis in order to establish a crosswalk between academic programs and relevant occupations. Every program approved by MHEC receives a CIP code to facilitate both state and federal reporting. CIP and SOC are databases managed by the U.S. Department of Education and Bureau of Labor Statistics, respectively. Further, data from the Maryland Department of Labor, Licensing, and Regulation (DLLR) are used to determine regional and statewide occupational demand projections, and MHEC’s Enrollment Trends (E-Trends) and Degree Trends (D-Trends) databases are reviewed to analyze the student and graduate supply pipelines for a given academic program.

In-state program proposals reviews are further governed by COMAR 13B.02.03.08 and COMAR 13B.02.03.09, which are regulations that address the need for proposed programs and duplication of proposed programs, respectively. These are included in the two tables below:

¹ This consideration applies only to enrollment trends at in-state institutions.

COMAR 13B.02.03.08: Need for the Proposed Program

A. A proposed program shall meet a critical and compelling regional or Statewide need as identified in the State Plan.

B. A program proposal shall clearly demonstrate demand and need for the program in terms of meeting present and future needs of the region and the State in general. Four kinds of needs may be identified:

- (1) The need for the advancement and evolution of knowledge;
- (2) Societal needs, including expanding educational opportunities and choices for minority and educationally disadvantaged students at institutions of higher education;
- (3) Occupational and professional needs relative to upgrading vocational/ technical skills or meeting job market requirements; and
- (4) The need to strengthen and expand the capacity of historically black institutions to provide high quality and unique educational programs.

C. The Commission recognizes and supports the tradition of liberal arts education and the need for programs that offer individual and societal benefits independent of manpower or market demand considerations. These programs provide immeasurable returns to the State in part by instilling in citizens a capacity for advanced learning and an understanding of the fundamentals of civilization.

D. Market Demand Data.

- (1) This section does not apply to programs in the liberal arts and sciences.
- (2) An institution proposing a new program shall present data projecting market demand and the availability of openings in the job market to be served by the new program. The types of information submitted vary, depending on the program, but may include manpower and employment projections prepared by the Maryland Department of Labor, Licensing, and Regulation, Bureau of Labor Statistics, Census Data, and the Maryland Department of Business and Economic Development as well as professional and trade associations.
- (3) An institution shall conduct market surveys that clearly provide quantifiable and reliable data from prospective employers on the educational and training needs and the anticipated number of vacancies expected over the next 5 years.
- (4) In assessing demand for a new program, an institution shall also present data showing the current and projected supply of prospective graduates.

E. Identification of Programs Having Market Demand.

- (1) The Commission shall identify, on a regular basis, programs that are in market demand in Maryland.
- (2) For each program identified, the Commission shall also provide an indication of minority participation rates, identifying those programs where minorities are underrepresented.
- (3) Institutions maintaining a role and mission appropriate and consistent with those fields declared as shortage areas are encouraged to develop specific programs.
- (4) Proposals submitted in response to a declared shortage area do not need to include additional documentation on market demand and supply data.

F. As an additional indicator of need, an institution shall clearly detail how program success will be defined and measured, particularly if the definition includes measures in addition to the conferral of a degree or certificate.

COMAR 13B.02.03.09 Duplication of the Proposed Program

A. The elimination of unreasonable program duplication is a high priority. Ordinarily, proposed programs in undergraduate core programs consisting of basic liberal arts and sciences disciplines are not considered unnecessarily duplicative. Unreasonable duplication is a more specific concern in vocational/technical, occupational, graduate, and professional programs which meet special manpower needs. The issue of how a proposed program meets an institution's local and State area needs shall be addressed.

B. Evidence demonstrating that a proposed program is not duplicative of similar offerings in the State shall be submitted by the institution. At a minimum, this evidence shall be substantiated on the basis that the proposed program to be offered is not unreasonably duplicative of existing programs in a specific geographically proximate location in the State.

C. Determination of Duplication.

- (1) In determining whether a program is unreasonably duplicative, the Secretary shall consider:
 - (a) The degree to be awarded;
 - (b) The area of specialization;
 - (c) The purpose or objectives of the program to be offered;
 - (d) The specific academic content of the program;
 - (e) Evidence of equivalent competencies of the proposed program in comparison to existing programs;
 - (f) An analysis of the market demand for the program.
- (2) The analysis shall include an examination of factors, including:
 - (a) Role and mission;
 - (b) Accessibility;
 - (c) Alternative means of educational delivery including distance education;
 - (d) Analysis of enrollment characteristics;
 - (e) Residency requirements;
 - (f) Admission requirements; and
 - (g) Educational justification for the dual operation of programs broadly similar to unique or high-demand programs at HBIs.

SECTION III

ANALYSIS OF NEW CERTIFICATE PROGRAMS OFFERED BY MARYLAND COLLEGES AND UNIVERSITIES

In 2015, a total of 49 certificate programs at in-state institutions were approved or recommended for implementation by MHEC. By segment, 13 of these programs were recommended for independent colleges and universities, 9 approved for public four-year colleges and universities, and 27 approved for public community colleges. They are listed chronologically by certificate level below, with the institution and approval or recommendation date listed in the parentheses.

Lower-Division Certificates

Program Title and Approval/Recommendation Date	Offered Elsewhere in Maryland
Lower Division Certificate in Cybersecurity (Approved 1/20/2015)	Y
Lower Division Certificate in Cardiac Rescue Technician (Approved 2/23/2015)	Y
Lower Division Certificate in Paramedic (Approved 3/27/2015)	Y
Lower Division Certificate in Paramedic Bridge (Approved 3/27/2015)	N
Lower Division Certificate in Graphic Design for Web and Interaction (Approved 3/27/2015)	Y
Lower Division Certificate in Project Management - (Approved 4/1/2015)	Y
Lower Division Certificate in Project Management (Approved 4/1/2015)	Y
Lower Division Certificate in Computer Forensics - (Approved 4/15/2015)	Y
Lower Division Certificate in Mastery in Administration of Child Care Programs -(Approved 4/20/2015)	Y
Lower Division Certificate in Proficiency in Diverse Student Populations – (Approved 4/20/2015)	Y
Lower Division Certificate in Early Childhood Education (ECE) Mathematics and Science -(Approved 4/20/2015)	N
Lower Division Certificate in Computer Programming and Database Systems - (Approved 4/22/2015)	Y
Lower-Division Certificate in Transportation and Logistics – Transportation Management modification - (Approved 4/23/2015)	N
Lower-Division Certificate in Computed Tomography - (Approved 5/04/2015)	Y
Lower Division Certificate in Cybersecurity - (Approved 5/13/2015)	Y
Lower Division Certificate in Bookkeeping - (Approved 6/09/2015)	Y
Lower Division Certificate in Audio Production - (Approved 6/17/2015)	N
Lower Division Certificate in Cybersecurity - (Approved 6/17/2015)	Y
Lower Division Certificate in Network Technology - (Approved 6/17/2015)	Y
Lower Division Certificate in Mobile Development - (Approved 6/18/2015)	Y
Lower Division Certificate in Health Information Technology - (Approved 6/22/2015)	Y
Lower Division Certification in Mechatronics Technology: Robotics (Approved 7/17/2015)	N
Lower Division Certificate in Pharmacy Technician at Beltsville, Maryland (Recommended 7/29/2015)	Y
Lower Division Certificate in Industrial Technology (Approved 8/3/2015)	N
Lower Division Certificate in Basic Electronics (Approved 8/3/2015)	N

Program Title and Approval/Recommendation Date	Offered Elsewhere in Maryland
Lower Division Certificate in Healthcare Information Technology (Approved 8/7/2015)	Y
Lower Division Certificate in Small Business Entrepreneurship (Approved 9/30/2015)	Y

Post-Baccalaureate Certificates

Program Title and Approval/Recommendation Date	Offered Elsewhere in Maryland
Post-Baccalaureate Certificate in Technology Facilitation (Recommendation 2/26/2015)	N
Post-Baccalaureate Certificate in History of Medicine (Recommended 4/1/2015)	N
Post-Baccalaureate Certificate in Interactive Marketing - (Approved 4/03/2015)	Y
Post-Baccalaureate Certificate in Advanced Technology in Enterprise Systems - (Approved 4/04/2015)	N
Post-Baccalaureate Certificate in Integrated STEM Instructional Leadership (Pre K-6) -(Approved 5/12/2015)	N
Post-Baccalaureate Certificate in Trauma Informed - (Approved 5/20/2015)	Y
Post-Baccalaureate Certificate in User Experience (UX) Design modification – (Approved 5/20/15)	N
Post-Baccalaureate Certificate in World Language Education - (Approved 6/17/2015)	N
Post-Baccalaureate Certificate in Advanced National Security Certificate – Online (Approved 7/10/2015)	N
Post-Baccalaureate Certificate in Teaching English to Speakers of Other Languages (TESOL) (Approved 7/10/2015)	Y
Post-Baccalaureate Certificate in Clinical Trials (Recommended 7/24/2015)	N
Post-Baccalaureate in Cyber Defense Operations (Recommended 7/29/2015)	N
Post-Baccalaureate in Population-Based Care Coordinator (Recommended 9/9/2015)	N

Post-Master Certificates

Program Title and Approval/Recommendation Date	Offered Elsewhere in Maryland
Post-Master’s Certificate in Adult-Gerontological Acute Care Nurse Practitioner (Recommended 1/8/2015)	N
Post-Master’s Certificate in Adult-Gerontological Critical Care Clinical Nurse Specialist (Recommended 1/8/2015)	N
Post-Master’s Certificate in Pediatric Critical Care Clinical Nurse Specialist (Recommended 1/8/2015)	Y
Post-Master’s Certificate in Pediatric Health Clinical Nurse Specialist (Recommended 1/9/2015)	Y
Post-Master’s Certificate in Cultural Proficiency (Recommendation 3/9/2015)	N
Post-Master’s Certificate in Exceptionalities (Recommendation 3/9/2015)	N

Program Title and Approval/Recommendation Date	Offered Elsewhere in Maryland
Post-Master's Certificate in Library Technology (Approved 3/25/2015)	N
Post-Master's Certificate in Applied Biomedical Engineering - (Recommended 4/1/2015)	N
Post-Masters Certificate in Mechanical Engineering (Recommended 9/25/2015)	N

Summary of New Certificate Programs in 2015 by Discipline Type

	Lower Division Certificates (LDC)	Upper Division Certificates (UDC)	Post Baccalaureate Certificates (PBC)	Post Master's Certificates (PMC)
Allied Health/Health-related	7	0	4	4
Aviation	0	0	0	0
Business/Management/Finance/Economics	5	0	0	0
Communication/Media/Marketing	0	0	1	0
Computer/Information Science	5	0	2	0
Cybersecurity	3	0	1	0
Deaf Studies/ASL	0	0	0	0
Education	3	0	4	2
Emergency/Protective Services	0	0	1	0
Engineering/Engineering Technology	2	0	0	2
Fine Arts	1	0	0	0
Industry/Labor	1	0	0	0
Library Science	0	0	0	1
Total	27	0	13	9

MHEC Staff Analysis for Proliferation or Duplication

Of the 49 certificate programs at in-state institutions that were approved or recommended for implementation by MHEC in 2015, 25 were already being offered by at least one other in-state college or university. In the tables above, those programs are marked with a “Y” in the column titled “Offered Elsewhere in Maryland.” In these cases, MHEC staff determined that such duplication was reasonable. The remaining 24 programs, marked with an “N” in the column titled “Offered Elsewhere in Maryland,” were determined to be unique programs that were not currently being offered at any other in-state college or university.

As mentioned in Section I of this report, the Collegiate Unit in MHEC’s Division of Academic Affairs conducts reviews of program proposals submitted by both in-state and out-of-state colleges and universities. This includes new certificate programs. The proposal review for certificate programs is governed by COMAR 13B.02.03.06 and follows the same methodology outlined on page 8 of this report. The occasional exception to this process is a proposed certificate program in which the proposed curriculum already exists within an approved degree program. COMAR 13B.02.03.25D allows institutions to submit a truncated proposal for such programs, although MHEC staff still review the proposal to ensure that it (1) explains the centrality of the proposed certificate program to the mission of the institution; (2) provides evidence of the market demand for the proposed certificate program; (3) sets out the curriculum design; and (4) shows that adequate faculty resources exist for the proposed certificate program.

SECTION IV

ANALYSIS OF NEW AREAS OF CONCENTRATION OFFERED BY MARYLAND COLLEGES AND UNIVERSITIES

In 2015, a total of 48 Areas of Concentration at in-state institutions were approved or recommended for implementation by MHEC. Fourteen of these programs were recommended for independent colleges and universities, 26 were approved for public four-year colleges and universities, and eight were approved for public community colleges. They are listed chronologically by degree level below, with the institution and approval or recommendation date listed in the parentheses.

COMAR considers the addition of an Area of Concentration as a “substantial modification” to an existing degree program rather than a new academic program. Areas of Concentration may also be proposed at the time a degree program is originally being approved. Consequently, they are reviewed in accordance with COMAR 13B.02.03.06. Areas of Concentration are recognized for degrees at the associate’s, bachelor’s, master’s, or doctoral levels.

Associate Degrees Areas of Concentration

- Exercise Science; Associate of Arts in Health, Fitness and Exercise Science (Chesapeake College, 6-19-15)
- Allied Health; Associate of Arts in Health, Fitness and Exercise Science (Chesapeake College, 6-19-15)
- Sport Management; Associate of Arts in Health, Fitness and Exercise Science (Chesapeake College, 6-19-15)
- Dance; Associate of Arts in Arts and Sciences Transfer (Hagerstown Community College, 10-26-15)
- Art; Associate of Arts in Arts and Sciences transfer (Baltimore City Community College, 11/18/15)
- Psychology; Associate of Arts in Arts and Sciences transfer (Baltimore City Community College, 11/19/15)
- Music; Associate of Arts in Arts and Sciences transfer (Baltimore City Community College, 11/19/15)
- Theatre, Associate of Arts in Arts and Sciences transfer (Baltimore City Community College, 11/20/15)

Bachelor’s Degrees Areas of Concentration

- Hospitality Management; Bachelor of Science in Business Administration (Frostburg State University, 05-12-15)
- History – Secondary Education; Bachelor of Arts/Science in History (Towson University, 05-20-15)
- Materials Engineering; Bachelor of Science in Engineering (Frostburg State University, 05-26-15)
- Integrated Arts; Bachelor of Science in Elementary Education (Frostburg State University, 6-19-15)

- Language and Literacy; Bachelor of Science in Elementary Education (Frostburg State University, 6-19-15)
- Social Science; Bachelor of Science in Elementary Education (Frostburg State University, 6-19-15)
- STEM; Bachelor of Science in Elementary Education (Frostburg State University, 6-19-15)
- Biomaterials; Bachelor of Science in Materials Science and Engineering (Johns Hopkins University, 06-23-15)
- Nanotechnology; Bachelor of Science in Materials Science and Engineering (Johns Hopkins University, 06-23-15)
- Student Designed; Bachelor of Arts in Philosophy, Society and Applied Ethics (University of Baltimore, 6-30-15)
- Philosophy and Public Policy; Bachelor of Arts in Philosophy, Society and Applied Ethics (University of Baltimore, 6-30-15)
- Philosophy, Sustainability and the Environment; Bachelor of Arts in Philosophy, Society and Applied Ethics (University of Baltimore, 6-30-15)
- Applied Ethics and Professional Life; Bachelor of Arts in Philosophy, Society and Applied Ethics (University of Baltimore, 6-30-15)
- Philosophy, Economics and Business, Bachelor of Arts in Philosophy, Society and Applied Ethics (University of Baltimore, 6-30-15)
- Secondary Education, Bachelor of Arts/Science in Social Sciences (Towson University, 07-10-15)
- Choral; Bachelor of Arts in Music Education (University of Maryland Baltimore County, 08-14-15)
- Instrumental; Bachelor of Arts in Music Education (University of Maryland Baltimore County, 08-14-15)
- Instrumental; Bachelor of Arts in Music Performance (University of Maryland Baltimore County, 08-14-15)
- Vocal; Bachelor of Arts in Music Performance (University of Maryland Baltimore County, 08-14-15)
- General Physics; Bachelor of Arts/Sciences in Physics (Towson University, 10-19-15)
- Applied Physics; Bachelor of Arts/Sciences in Physics (Towson University, 10-19-15)
- Astrophysics; Bachelor of Arts/Sciences in Physics (Towson University, 10-19-15)
- Computational Physics; Bachelor of Arts/Sciences in Physics (Towson University, 10-19-15)
- Computational Chemistry; Bachelor of Science in Chemistry (Coppin State University, 11-3-15)
- Biochemistry; Bachelor of Science in Chemistry (Coppin State University, 11-3-15)
- Applied Sciences; Bachelor of Science in Biology (Coppin State University, 11-3-15)

Master's Degree Areas of Concentration

- Clinical Ethics; Master of Bioethics (Johns Hopkins University, 4-20-15)
- Ethics, Policy and Emerging Biotechnologies; Master of Bioethics (Johns Hopkins University, 4-20-15)
- Global Bioethics; Master of Bioethics (Johns Hopkins University, 4-20-15)
- Public Health Ethics; Master of Bioethics (Johns Hopkins University, 4-20-15)
- Research Ethics; Master of Bioethics (Johns Hopkins University, 4-20-15)

- Workplace Wellness; Master of Science in Health Promotion (Maryland University of Integrative Health, 4-22-15)
- Community Health Education; Master of Science in Health Promotion (Maryland University of Integrative Health, 4-22-15)
- Nursing Education; Master of Science in Nursing [RN to MSN] (Washington Adventist University, 7-14-15)
- Nursing and Business Leadership; Master of Science in Nursing [RN to MSN] (Washington Adventist University, 7-14-15)
- Educational Technology; Master of Science in Instructional Technology (Towson University, 07-17-15)
- International Political Economy; Master of Arts in International Studies (Johns Hopkins University, 08-04-15)
- Health Policy Analysis and Evaluation; Master of Public Health (Johns Hopkins University, 08-07-15)
- Health Equity; Master of Public Health (Johns Hopkins University, 08-07-15)

Doctoral Degree Area of Concentration

- Music Education; Ph.D. in Music (University of Maryland College Park, 10-7-15)

SECTION V

ANALYSIS OF ALL NEW PROGRAMS OFFERED BY OUT-OF-STATE COLLEGES AND UNIVERSITIES

In 2015, a total of 258 academic programs from out-of-state institutions were granted authorization to operate in Maryland. These programs were required to gain authorization based on instructional components offered on the ground in Maryland (either classroom-based or experiential components, such as practica and internships). They are listed chronologically by award type below, with the authorization date listed in the parentheses. (Note: The aforementioned approvals include the renewal of programs approved prior to 2015. There were 122 renewal approvals in 2015).

The programs in the tables below do not include fully online programs from out-of-state institutions that were issued registration under the requirements of Education Article § 11-202.2 of the Annotated Code of Maryland and COMAR 13B.05.01. Program duplication is not a criterion that can be used to determine whether to issue registration to fully online out-of-state programs.

Associate's Degrees

Program Title and Authorization Date	Offered Elsewhere in Maryland
Associate of Applied Science in Computer and Electronics Engineering Technology (Authorized 2/23/2015)	Y
Associate of Computer Drafting and Design (Authorized 2/23/2015)	Y
Associate of Applied Science in Drafting Design Technology (Authorized 2/23/2015)	N
Associate of Applied Science in Graphic Communication Technology (Authorized 2/23/2015)	N
Associate of Applied Science in Graphic Communications and Design (Authorized 2/23/2015)	N
Associate of Applied Science in Networks Systems Administration (Authorized 2/23/2015)	Y
Associate of Applied Science in Information Technology Software Applications and Programming (Authorized 2/23/2015)	Y
Associate of Applied Science in Electronical Engineering Technology (Authorized 2/23/2015)	Y
Associate of Applied Science in Accounting (Authorized 2/23/2015)	Y
Associate of Applied Science in Industrial Engineering Technology (Authorized 2/23/2015)	N
Associate of Applied Science in Software Development (Authorized 2/23/2015)	N
Associate of Science in Aviation Business Administration (Authorized 2/25/2015)	Y
Associate of Science in Aviation Maintenance (Authorized 2/25/2015)	N
Associate of Science in Aeronautics (Authorized 2/25/2015)	N
Associate of Science in Technical Management (Authorized 2/25/2015)	N
Associate of Science in Early Childhood Education (Authorized 4/10/2015)	Y

Associate of Arts in Liberal Arts - (Authorized 6/10/2015)	Y
Associate of Science in Labor Studies (Authorized 7/13/2015)	N
Associate of Science in Human Development and Family Studies (Authorized 8/11/2015)	Y
Associate of Applied Science (A.A.S.) in Advanced Culinary Arts (Authorized 8/21/2015)	Y
Associate of Applied Science (A.A.S.) in Baking and Pastry Arts (Authorized 8/21/2015)	N
Associate of Applied Science (A.A.S.) in Medical Billing and Coding (Authorized 8/21/2015)	Y
Associate of Applied Science (A.A.S.) in Hotel and Restaurant Management (Authorized 8/21/2015)	Y
Associate of Applied Science in Pharmacy Technician (Authorized 8/21/2015)	Y
Associate of Applied Science in Medical Insurance Billing and Coding (Authorized 8/21/2015)	Y
Associate of Applied Science in Accounting (Authorized 10/9/2015)	Y
Associate of Applied Science in Business Management (Authorized 10/9/2015)	Y
Associate of Applied Science in Criminology and Forensic Technology (Authorized 10/9/2015)	Y
Associate of Applied Science in Drafting and Design Technology (Authorized 10/9/2015)	Y
Associate of Applied Science in Electrical Engineering Technology (Authorized 10/9/2015)	Y
Associate of Applied Science in Graphic Communications Technology (Authorized 10/9/2015)	N
Associate of Applied Science in Industrial Engineering Technology (Authorized 10/9/2015)	N
Associate of Applied Science in Information Technology (Authorized 10/9/2015)	Y
Associate of Applied Science in Network Systems Administration (Authorized 10/9/2015)	Y
Associate of Applied Science in Software Development (Authorized 10/9/2015)	N
Associate of Applied Science in Computer and Electronics Systems Technology (Authorized 10/9/2015)	Y
Associate of Applied Science in Computer Systems Support and Administration (Authorized 10/9/2015)	Y
Associate of Arts in Accounting (Authorized 10/23/2015)	Y
Associate of Arts in Acquisition and Contract Management (Authorized 10/23/2015)	N
Associate of Arts in Business Administration (Authorized 10/23/2015)	Y
Associate of Arts in Economics (Authorized 10/23/2015)	N
Associate of Arts in Information Systems (Authorized 10/23/2015)	Y
Associate of Arts in Information Technology (Authorized 10/23/2015)	Y
Associate of Arts in Marketing (Authorized 10/23/2015)	Y

Bachelor's Degrees

Program Title and Authorization Date	Offered Elsewhere in Maryland
Bachelor of Science in Nursing (Authorized 1/20/2015)	Y
Bachelor of Arts in Communication Studies (Authorized 2/11/2015)	Y
Bachelor of Arts in American Sign Language (Authorized 2/11/2015)	N
Bachelor of Arts in Biology (Authorized 2/11/2015)	Y
Bachelor of Arts in Chemistry (Authorized 2/11/2015)	Y
Bachelor of Arts in Deaf Studies (Authorized 2/11/2015)	Y
Bachelor of Arts in Government (Authorized 2/11/2015)	Y
Bachelor of Arts in Interpretation (Authorized 2/11/2015)	N
Bachelor of Arts in Mathematics (Authorized 2/11/2015)	Y
Bachelor of Arts in Psychology (Authorized 2/11/2015)	Y
Bachelor of Arts in Sociology (Authorized 2/11/2015)	Y
Bachelor of Science in Biology (Authorized 2/11/2015)	Y
Bachelor of Science in Business Administration (Authorized 2/11/2015)	Y
Bachelor of Science in Chemistry (Authorized 2/11/2015)	Y
Bachelor of Science in Information Technology (Authorized 2/11/2015)	Y
Bachelor of Science in Mathematics (Authorized 2/11/2015)	Y
Bachelor of Science in Physical Education & Recreation (Authorized 2/11/2015)	Y
Bachelor of Science in Information Systems Security (Authorized 2/23/2015)	Y
Bachelor of Science in Construction Management (Authorized 2/23/2015)	Y
Bachelor of Science in Electronics and Communications Engineering Technology (Authorized 2/23/2015)	N
Bachelor of Science in Electrical Engineering and Communications Technology (Authorized 2/23/2015)	N
Bachelor of Science in Information Systems and Cybersecurity (Authorized 2/23/2015)	Y
Bachelor of Science in Project Management and Administration (Authorized 2/23/2015)	Y
Bachelor of Science in Software Development (Authorized 2/23/2015)	Y
Bachelor of Science in Aeronautics (Authorized 2/25/2015)	Y
Bachelor of Science in Aviation Business Administration (Authorized 2/25/2015)	Y
Bachelor of Science in Aeronautics (Authorized 2/25/2015)	Y
Bachelor of Science in Aviation Business Administration (Authorized 2/25/2015)	Y
Bachelor of Science in Aviation Maintenance (Authorized 2/25/2015)	N
Bachelor of Science in Aviation Security (Authorized 2/25/2015)	N
Bachelor of Science in Emergency Services (Authorized 2/25/2015)	Y
Bachelor of Science in Engineering Technology (Authorized 2/25/2015)	Y
Bachelor of Science in Child Studies (Authorized 4/10/2015)	Y
Bachelor of Science in Human Services (Authorized 4/10/2015)	Y
Bachelor of Science in Nursing [RN to BSN] (Authorized 6/23/2015)	Y
Bachelor of Science in Labor Studies (Authorized 7/13/2015)	N
Bachelor of Science in Nursing (Authorized 7/31/2015)	Y
Bachelor of Science in Business (Authorized 8/11/2015)	Y
Bachelor of Arts in Energy and Sustainability Policy (Authorized 8/11/2015)	Y

Bachelor of Science in Nursing (Authorized 8/11/2015)	Y
Bachelor of Science in Information Science and Technology (Authorized 8/11/2015)	Y
Bachelor of Science in Turfgrass Science (Authorized 8/11/2015)	N
Bachelor of Science in Criminal Justice (Authorized 8/11/2015)	Y
Bachelor of Science in Human Development and Family Studies (Authorized 8/11/2015)	Y
Bachelor of Science in Logistics Management (Authorized 8/17/2015)	N
Bachelor of Arts in Culinary Management (Authorized 8/21/2015)	N
Bachelor of Arts in Hospitality Management (Authorized 8/21/2015)	Y
Bachelor of Science in Health Information Management (Authorized 8/21/2015)	Y
Bachelor of Science in Health Care Administration (Authorized 8/21/2015)	Y
Bachelor of Science in Nursing [RN to BSN] (Authorized 8/24/2015)	Y
Bachelor of Science in Nursing [RN to BSN] (Authorized 9/18/2015)	Y
Bachelor of Science in Information Systems and Cybersecurity (Authorized 10/9/2015)	Y
Bachelor of Science in Software Development (Authorized 10/9/2015)	Y
Bachelor of Science in Project Management and Administration (Authorized 10/9/2015)	Y
Bachelor of Science in Construction Engineering Technology (Authorized 10/9/2015)	N
Bachelor of Science in Business (Authorized 10/14/2015)	Y
Bachelor of Science in Information Technology (Authorized 10/14/2015)	Y
Bachelor of Business Administration (Authorized 10/23/2015)	Y
Bachelor of Science in Accounting (Authorized 10/23/2015)	Y
Bachelor of Science in Economics (Authorized 10/23/2015)	Y
Bachelor of Science in Information Systems (Authorized 10/23/2015)	Y
Bachelor of Science in Information Technology (Authorized 10/23/2015)	Y
Bachelor of Science in International Business (Authorized 10/23/2015)	Y
Bachelor of Science in Interdisciplinary Studies (Authorized 11/13/2015)	Y

Master's Degrees

Program Title and Authorization Date	Offered Elsewhere in Maryland
Master of Occupational Therapy (Authorized 1/20/2015)	Y
Master of Orthopaedic Assistant (Authorized 1/20/2015)	N
Master of Arts in Music Therapy (Authorized 1/20/15)	N
Master of Science in Nursing (Authorized 2/3/2015)	Y
Master of Arts in Deaf Education (Authorized 2/11/2015)	Y
Master of Arts in Deaf Studies (Authorized 2/11/2015)	N
Master of Arts in Interpretation (Authorized 2/11/2015)	N
Master of Arts in Mental Health Counseling (Authorized 2/11/2015)	Y
Master of Arts in Public Administration (Authorized 2/11/2015)	Y
Master of Arts in School Counseling (Authorized 2/11/2015)	Y
Master of Arts in Sign Language Education (Authorized 2/11/2015)	N
Master of Science in Speech-Language Pathology (Authorized 2/11/2015)	Y
Master of Social Work (Authorized 2/11/2015)	Y
Master of Science in Aeronautical Science (Authorized 2/25/2015)	N
Master of Business Administration in Aviation (Authorized 2/25/2015)	Y
Master of Science in Aviation Finance (Authorized 2/25/2015)	N
Master of Science in Engineering Management (Authorized 2/25/2015)	Y
Master of Science in Information Security and Assurance (Authorized 2/25/2015)	Y
Master of Science in Leadership (Authorized 2/25/2015)	Y
Master of Science in Logistics and Supply Chain Management (Authorized 2/25/2015)	N
Master of Science in Management (Authorized 2/25/2015)	Y
Master of Science in Management Information Systems (Authorized 2/25/2015)	Y
Master of Science in Occupational Safety Management (Authorized 2/25/2015)	Y
Master of Science in Project Management (Authorized 2/25/2015)	Y
Master of Science in Unmanned Systems (Authorized 2/25/2015)	N
Master of Systems Engineering (Authorized 2/25/2015)	Y
Master of Divinity (Authorized 3/9/2015)	Y
Master of Arts in Christian Education (Authorized 3/9/2015)	N
Master of Arts in Christian Leadership (Authorized 3/9/2015)	N
Master of Arts in Christian Ministries (Authorized 3/9/2015)	N
Master of Arts in Youth Ministry (Authorized 3/9/2015)	N
Master of Social Work (Authorized 3/9/2015)	Y
Master of Arts in Education (Authorized 3/9/2015)	Y
Master of Arts in School Principalship (Authorized 3/9/2015)	Y
Master of Arts in Teacher Leadership(Authorized 3/9/2015)	Y
Master of Arts in International Relations (Authorized 3/9/2015)	Y
Master of Arts in Procurement and Acquisitions Management (Authorized 3/9/2015)	N
Master of Business Administration (Authorized 3/9/2015)	Y
Master of Arts in Clinical Psychology (Authorized 4/1/2015)	Y
Master of Arts in Community Counseling (Authorized 4/1/2015)	Y
Master of Science in Human Services (Authorized 4/10/2015)	Y
Master of Science in Nursing (Authorized 6/9/015)	Y
Master of Social Work (Authorized 6/19/2015)	Y

Program Title and Authorization Date	Offered Elsewhere in Maryland
Master of Arts in Work and Labor Policy (Authorized 7/13/2015)	N
Master of Science in Nursing (Authorized 6/23/2015)	Y
Master of Science in Nursing (Authorized 7/31/2015)	Y
Master of Applied Statistics (Authorized 8/11/2015)	Y
Master of Education in Earth Science (Authorized 8/11/2015)	Y
Master of Education in Educational Leadership - Teacher Leadership (Authorized 8/11/2015)	Y
Master of Public Administration (Authorized 8/11/2015)	Y
Master of Health Policy and Administration (Authorized 8/11/2015)	Y
Master of Education in Higher Education (Authorized 8/11/2015)	Y
Master of Science in Nursing (Authorized 8/11/2015)	Y
Master of Science in Logistics Management (Authorized 8/17/2015)	N
Master of Business Administration (Authorized 8/17/2015)	Y
Master of Science in Aerospace Engineering (Authorized 8/17/2015)	Y
Master of Science in Computer Information Systems (Authorized 8/17/2015)	Y
Master of Science in Computer Science (Authorized 8/17/2015)	Y
Master of Science in Acquisition and Contract Management (Authorized 8/17/2015)	N
Master of Science in Electrical Engineering (Authorized 8/17/2015)	Y
Master of Science in Engineering Management (Authorized 8/17/2015)	Y
Master of Science in Management (Authorized 8/17/2015)	Y
Master of Science in Mechanical Engineering (Authorized 8/17/2015)	Y
Master of Science in Project Management (Authorized 8/17/2015)	Y
Master of Science in Public Administration (Authorized 8/17/2015)	Y
Master of Science in International Hospitality Management (Authorized 8/21/2015)	N
Master of Science in Nursing (Authorized 9/18/2015)	Y
Master of Education (Authorized 9/18/2015)	Y
Master of Business Administration (Authorized 10/14/2015)	Y
Master of Science in Accounting (Authorized 10/23/2015)	Y
Master of Science in Human Resources Management (Authorized 10/23/2015)	Y
Master of Science in Business Administration (Authorized 10/23/2015)	Y
Master of Education (Authorized 10/23/2015)	Y
Master of Science in Information Systems (Authorized 10/23/2015)	Y
Master of Science in Health Services Administration (Authorized 10/23/2015)	Y
Master of Science in Public Administration (Authorized 10/23/2015)	Y
Master of Occupational Therapy (Authorized 11/3/2015)	Y
Master of Orthopaedic Assistant (Authorized 11/3/2015)	N
Master of Science in Health Care Management (Authorized 11/3/2015)	Y
Master of Science in Health Care Management/MBA (Authorized 11/3/2015)	Y
Master of Science in Nursing (Authorized 11/13/2015)	Y
Master of Science in Clinical Psychology (Authorized 11/13/2015)	Y
Master of Science in Forensic Psychology (Authorized 11/13/2015)	N
Master of Science in Mental Health Counseling (Authorized 11/13/2015)	Y
Master of Science in Marriage, Couple and Family Counseling (Authorized 11/13/2015)	Y
Master of Science in Addictions Counseling (Authorized 11/13/2015)	Y

Program Title and Authorization Date	Offered Elsewhere in Maryland
Master of Science in Career Counseling (Authorized 11/13/2015)	N
Master of Science in Social Work (Authorized 11/13/2015)	Y
Master of Public Health (Authorized 11/13/2015)	Y
Master of Science in Health Informatics (Authorized 11/13/2015)	Y
Master of Science in Healthcare Administration (Authorized 11/13/2015)	Y
Master of Science in Clinical Research Administration (Authorized 11/13/2015)	Y
Master of Arts in Teaching: Teacher Preparation (Authorized 11/13/2015)	Y
Master of Science in School Counseling (Authorized 11/13/2015)	Y
Master of Science in Education (Authorized 11/13/2015)	Y
Master of Arts in Counseling (Authorized 12/1/2015)	Y
Master of Music in Conducting (Authorized 12/1/2015)	Y
Master of Education (Authorized 12/15/2015)	Y

Doctoral/Professional Degrees

Program Title and Authorization Date	Offered Elsewhere in Maryland
Doctor of Physical Therapy (Authorized 1/20/2015)	Y
Doctor of Psychology in Clinical Psychology (Authorized 1/20/2015)	Y
Doctor of Philosophy in Clinical Psychology (Authorized 2/11/2015)	Y
Doctor of Philosophy in Interpretation (Authorized 2/11/2015)	N
Doctor of Audiology (Authorized 2/11/2015)	Y
Post-Master's Specialist (Psy.S) degree in Psychology (Authorized 2/11/2015)	N
Doctor of Psychology in Clinical Psychology (Authorized 4/1/2015)	Y
Doctor of Education in Counselor Education and Supervision (Authorized 4/1/2015)	N
Doctor of Education in Counseling Psychology (Authorized 4/1/2015)	Y
Doctor of Osteopathic Medicine (Authorized 5/7/2015)	N
Doctor of Dental Medicine (Authorized 5/7/2015)	Y
Post-Master Doctor of Nursing Practice (Authorized 6/23/2015)	N
Doctor of Nursing Practice (Authorized 6/23/2015)	Y
Doctor of Nursing Practice (Authorized 7/31/2015)	Y
Doctor of Physical Therapy (Authorized 11/3/2015)	Y
Doctor of Nursing Practice (Authorized 11/13/2015)	Y
Doctor of Philosophy in Counselor Education and Supervision (Authorized 11/13/2015)	Y
Education Specialist (Ed.S) in Educational Leadership and Administration (Authorized 11/13/2015)	N

Certificates and Endorsements

Program Title and Authorization Date	Offered Elsewhere in Maryland
Licensed Practical Nurse Certificate (Authorized 1/20/2015)	Y
Post-Master's Certificate in Adult Gerontology Primary Care Nurse Practitioner (Authorized 1/30/2015)	Y
Certificate in Deaf and Hard of Hearing (Authorized 02/11/2015)	N
Certificate in Accounting (Authorized 2/23/2015)	Y
Certificate in Drafting and Design Technology (Authorized 2/23/2015)	Y
Certificate in Software Development (Authorized 2/23/2015)	Y
Certificate in Electrical Engineering Technology (Authorized 2/23/2015)	Y
Certificate in Network Systems Administration (Authorized 2/23/2015)	Y
Undergraduate Certificate in Aviation Maintenance Technology Part 65 (Authorized 2/25/2015)	N
Undergraduate Certificate in Aviation Safety (Authorized 2/25/2015)	N
Undergraduate Certificate in Supply Chain Management (Authorized 2/25/2015)	N
Undergraduate Certificate in Logistics (Authorized 2/25/2015)	N
Undergraduate Certificate in Occupational Safety and Health (Authorized 2/25/2015)	N
Undergraduate Certificate in Pre-Engineering Studies (Authorized 2/25/2015)	N
Undergraduate Certificate in Aviation/Aerospace Safety (Authorized 2/25/2015)	N
Undergraduate Certificate in Information Assurance [NSA] (Authorized 2/25/2015)	Y
Certificate in Government Contracting (Authorized 3/9/2015)	Y
Post-Master's Certificate in Nurse-Midwifery Education (Authorized 6/23/2015)	Y
Post-Master's Certificate in Women's Health Care Nurse Practitioner Education (Authorized 6/23/2015)	Y
Post-Master's Certificate in Family Nurse Practitioner Education (Authorized 6/23/2015)	Y
Certificate in Nursing Education (Authorized 7/31/2015)	Y
Certificate in Nursing Informatics (Authorized 7/31/2015)	Y
Post-Baccalaureate Certificate in Acquisition and Contract Management (Authorized 8/17/2015)	N
Post-Baccalaureate Certificate in Special Education (Authorized 8/20/2015)	Y
Post-Master's Certificate in Educational Leadership and Administration (Authorized 8/20/2015)	Y
Certificate in Advanced Culinary Arts (Authorized 08/21/2015)	Y
Certificate in Accounting (Authorized 10/9/2015)	Y
Certificate in Software Development (Authorized 10/9/2015)	Y
Certificate in Electrical Engineering Technology (Authorized 10/9/2015)	Y
Certificate in Network Systems Administration (Authorized 10/9/2015)	Y
Graduate Certificate in Business Administration (Authorized 10/23/2015)	Y
Undergraduate Certificate in Business Administration (Authorized 10/23/2015)	Y
Certificate in Special Education (Authorized 11/13/2015)	Y
Post-Baccalaureate Certificate in K-12 Reading (Authorized 11/13/2015)	Y

Summary of Newly Authorized Out-of-State Institution Programs by Discipline Type

	Associate's Degrees	Bachelor's Degrees	Master's Degrees	Doctoral/ Professional Degrees	Certificates/ Endorsements
Allied Health/Health-related	3	9	19	8	7
Aviation	4	6	5	0	3
Business/Management/Finance/Economics	8	10	20	0	8
Communication/Media/Marketing	3	1	0	0	0
Computer/Information Science	13	8	5	0	6
Counseling/Psychology	1	1	11	5	0
Culinary Arts/Hospitality	3	1	1	0	1
Cybersecurity	0	2	0	0	0
Deaf Science/ASL	0	3	5	2	1
Education	1	0	12	3	4
Emergency/Protective Services	1	2	0	0	0
Engineering/Engineering Technology	5	4	5	0	3
Environmental Science/Studies	0	2	0	0	0
Exercise Science	0	2	0	0	0
Fine Arts	0	0	1	0	0
Humanities/Liberal Arts	1	1	1	0	0
Industry/Labor	1	1	2	0	1
Interdisciplinary Studies	0	1	0	0	0
Math	0	2	1	0	0
Religious Studies	0	0	5	0	0
Science (Physical/Biological)	0	5	1	0	0
Social Work/Social Science	0	3	4	0	0
Total	44	64	98	18	34

MHEC Staff Analysis for Proliferation or Duplication

Of the 258 degree programs at out-of-state institutions that were authorized by MHEC to be offered in Maryland, including renewal programs, 196 were already being offered by at least one other in-state college or university. In the tables above, those programs are marked with a “Y” in the column titled “Offered Elsewhere in Maryland.” In these cases, MHEC staff determined that such duplication was reasonable. The remaining 62 programs, marked with an “N” in the column titled “Offered Elsewhere in Maryland,” were determined to be unique programs that were not currently being offered at any other in-state college or university.

As mentioned in Section I of this report, the Collegiate Unit in MHEC’s Division of Academic Affairs conducts reviews of program proposals submitted by both in-state and out-of-state colleges and universities. The process includes distribution of the proposal to all in-state institutions for review and comment. Both in-state and out-of-state program proposal reviews are governed by COMAR 13B.02.03.06 and use the following criteria in determining approval or denial:

- Centrality to institutional mission statement and planning priorities
- Critical and compelling regional or Statewide need as identified in the State Plan
- Quantifiable and reliable evidence and documentation of market supply and demand in the region and service area
- Reasonableness of program duplication, if any
- Relevance to the implementation or maintenance of high-demand programs at HBIs
- Relevance to the support of the uniqueness and institutional identities and missions of HBIs
- Adequacy of curriculum design and delivery to related learning outcomes
- Adequacy of faculty resources
- Adequacy of library resources
- Adequacy of physical facilities, infrastructure, and instructional equipment
- Adequacy of financial resources
- Adequacy of provisions for evaluation of program
- Consistency with the Commission’s minority student achievement goals
- Relationship to low productivity programs identified by the Commission²

Further, out-of-state program proposal reviews are governed by COMAR 13B.02.01, drawing upon the aforementioned criteria as well as the criteria below to determine if a program could be considered unreasonably duplicative:

- Degree to be awarded
- Area of specialization
- Purpose or objective of the program or course of study to be offered
- Specific academic content of the program or course of study
- Quality of the proposed program in comparison to existing programs
- An analysis of the market for the program
- State’s equal educational opportunity obligations under State and federal law
- Critical and compelling regional or Statewide need

² This consideration applies only to enrollment trends at in-state institutions.

- Consistency with the Maryland State Plan for Postsecondary Education
- Demand and need for a program, in terms of meeting present and future needs of the region and the State in general. Two kinds of need may be identified:
 - Societal needs, including the tradition of liberal arts education, which provides immeasurable returns to the State in part by instilling in citizens a capacity for advanced learning and individual and societal benefits regardless of workforce or market demand considerations; and
 - Occupational needs relative to meeting workforce requirements or upgrading vocational or technical skills.
- Market demand data and job market openings to be served by the new program
- Recently collected, existing, or new market surveys that clearly provide quantifiable and reliable data from prospective employers on educational and training needs, and the anticipated number of vacancies expected over the next five years (with the exception of programs in the liberal arts)
- Data showing the current supply of graduates in that program area in the State and region

Out-of-state institutions must address all areas of COMAR 13B.02.01 in their application for a new academic program. When determining if proposed programs from out-of-state institutions are duplicative of similar programs offered by in-state institutions, MHEC staff members conduct a Classification of Instructional Program Standard Occupational Code (CIP-SOC) analysis in order to establish a crosswalk between academic programs and relevant occupations. Every program approved by MHEC receives a CIP code to facilitate both state and federal reporting. CIP and SOC are databases managed by the U.S. Department of Education and Bureau of Labor Statistics, respectively. Further, data from the Maryland Department of Labor, Licensing, and Regulation (DLLR) are used to determine regional and statewide occupational demand projections, and MHEC's Enrollment Trends (E-Trends) and Degree Trends (D-Trends) databases are reviewed to analyze the student and graduate supply pipelines for a given academic program. In some cases, supplemental data from trade journals or other publications may be used as well. MHEC staff may recommend that the Secretary of Higher Education authorize an out-of-state program even if it is duplicative of existing programs in the State, if data from the sources referenced above indicate that the State's supply of college and university graduates in that field does not meet the projected occupational demand.

SECTION VI

PROGRAM PROPOSALS NOT APPROVED OR RECOMMENDED FOR IMPLEMENTATION BY MHEC

In 2015, a total of eight academic program proposals were either not approved by MHEC. All of these proposed programs were at out-of-state institutions seeking authorization to offer the program in Maryland. In all cases, a lack of market need was a primary factor in the decision. Market need involves an analysis of the current supply graduates from in-state postsecondary institutions and projected occupational demand for in associated job classifications.

Fortis College

Associate of Science in Medical Assisting (Denied 08-13-15)

Reason: The program did not evidence market need. A review of state graduate production and employment projections did not justify the program's approval.

Associate of Science in Expanded Functions Dental Assisting (Denied 08-13-15)

Reason: The program did not evidence market need. A review of state graduate production and employment projections did not justify the program's approval.

Global Health College

Associate of Applied Science in Nursing (Denied 01-20-15)

Reason: The program did not evidence market need. A review of state graduate production and employment projections did not justify the program's approval.

ITT Technical Institute – Hanover campus

Certificate in Drafting and Design Technology (Denied 10-09-15)

Reason: The program did not evidence market need. A review of state graduate production and employment projections did not justify the program's approval.

Associate of Applied Science in Drafting and Design – Architectural and Civil (Denied 10-09-15)

Reason: The program did not evidence market need. A review of state graduate production and employment projections did not justify the program's approval.

Post University

Bachelor of Science in Sport Management (Denied 04-10-15)

Reason: The program did not evidence market need. A review of state graduate production and employment projections did not justify the program's approval.

Stratford University

Associate of Applied Science in Medical Assisting (Denied 08-21-15)

Reason: The program did not evidence market need. A review of state graduate production and employment projections did not justify the program's approval.

Associate of Applied Science in Pharmacy Technician (Denied 08-21-15)

Reason: The program did not evidence market need. A review of state graduate production and employment projections did not justify the program's approval.