



PROGRAM DUPLICATION/ PROLIFERATION REPORT:

2014 COLLEGIATE PROGRAM ACTIONS BY THE MARYLAND HIGHER EDUCATION COMMISSION

MSAR #2387

February 2015

PROGRAM DUPLICATON/PROLIFERATION REPORT:

**2014 COLLEGIATE PROGRAM ACTIONS BY THE
MARYLAND HIGHER EDUCATION COMMISSION**

February 2015



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 2014. 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 2014, 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 for off-site delivery. Finally, it includes the number of discontinued programs, program proposals withdrawals, and program proposals not approved or recommended.

Section II provides an analysis of new certificate programs approved for offering by Maryland in-state colleges and universities. Section III 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 also included, citing the applicable COMAR regulations. Section IV lists areas of concentration, and Section V lists academic programs from out-of-state institutions that were newly 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 2014.

In 2014, 17 of 225 (8%) newly approved in-state and out-of-state degree and certificate programs were determined by MHEC to be completely unique and not previously offered in Maryland. The remaining 208 degree and certificate programs were already offered by at least one in-state college or university, but were determined to meet the standards for reasonable duplication.

SECTION I

2014 MHEC COLLEGIATE PROGRAM ACTIONS SUMMARY

New Degree Programs:	31	at independent colleges and universities
	27	at public four-year colleges and universities
	18	at public community colleges
New Certificate Programs:	22	at independent colleges and universities
	14	at public four-year colleges and universities
	10	at public community colleges
New Areas of Concentration:	7	at independent colleges and universities
	2	at public four-year colleges and universities
Out-of State Institutions:	103	new programs at out-of-state institutions
	191	program renewals at out-of-state institutions
		military exemptions
Institutional Program Partnerships:	8	new partnership agreements
Off-Campus Program Site Delivery:	7	at independent colleges and universities
	5	at public four-year colleges and universities
Proposals Withdrawn:	16	proposals
Programs Discontinued:	44	at independent colleges and universities
	10	at public four-year colleges and universities
	6	at public community colleges
Proposals Not Approved/Recommended:	7	proposals
Total Program Proposal Actions:	528	

SECTION II

ANALYSIS OF NEW CERTIFICATE PROGRAMS OFFERED BY MARYLAND COLLEGES AND UNIVERSITIES

In 2014, a total of 46 certificate programs at in-state institutions were approved (applies to public institutions) or recommended for implementation (applies to independent institutions) by MHEC. By segment, 22 of these programs were recommended for independent colleges and universities, 14 approved for public four-year colleges and universities, and 10 approved for public community colleges. They are listed by certificate level and alphabetically by institution, with the approval or recommendation date in parentheses.

Lower-Division Certificates

Program Title, Institution, and Approval/Recommendation Date	Offered Elsewhere in Maryland
Lower Division Certificate in Graphic Design (Allegany Community College of Maryland 07//14/14)	Y
Lower Division Certificate in Advanced Cyber Forensics (Anne Arundel Community College, 08/27/14)	Y
Lower Division Certificate in Game Development (Anne Arundel Community College, 08/11/14)	Y
Lower Division Certificate in Web and Interactive Design (Anne Arundel Community College, 08/11/14)	Y
Lower Division Certificate in Cyber Security and Assurance (Baltimore City Community College, 09/09/14)	Y
Lower Division Certificate in Information Technology Basic Skills (Baltimore City Community College, 05/21/14)	Y
Lower Division Certificate in Certified Public Accountant Exam (Community College of Baltimore County, 04/07/14)	Y
Lower Division Certificate in Paramedic (Garrett College, 11/12/14)	Y
Lower Division Certificate in Emergency Medical Technician (Hagerstown Community College, 10/10/14)	Y
Lower Division Certificate in Medical Coder/Billing Specialist (Prince George's Community College, 11/10/14)	Y

Upper-Division Certificates

Program Title, Institution, and Approval/Recommendation Date	Offered Elsewhere in Maryland
Upper Division Certificate in Forensic Document Analysis (University of Baltimore, 08/22/14)	Y

Post-Baccalaureate Certificates

Program Title, Institution, and Approval/Recommendation Date	Offered Elsewhere in Maryland
Post-Baccalaureate Certificate in Secure Cloud Computing (Capitol Technology University, 09/08/14)	N
Post-Baccalaureate Certificate in Secure Mobile Technology (Capitol Technology University, 08/18/14)	Y
Post-Baccalaureate Certificate in Secure Software Development (Capitol Technology University, 07/08/14)	Y
Post-Baccalaureate Certificate in Accounting (Hood College, 09/18/14)	Y
Post-Baccalaureate Certificate in Bioinformatics (Hood College, 10/27/14)	Y
Post-Baccalaureate Certificate in Financial Management (Hood College, 09/18/14)	Y
Post-Baccalaureate Certificate in Organization Management (Hood College, 10/15/14)	Y
Post-Baccalaureate Certificate in Applied Research for Communication (Johns Hopkins University, 07/11/14)	Y
Post-Baccalaureate Certificate in Epidemiology for Public Health Professionals (Johns Hopkins University, 06/05/14)	N
Post-Baccalaureate Certificate in Film and Media (Johns Hopkins University, 10/15/14)	Y
Post-Baccalaureate Certificate in Food System, Environment and Public Health (Johns Hopkins University, 06/10/14)	Y
Post-Baccalaureate Certificate in Intelligence (Johns Hopkins University, 04/07/14)	Y
Post-Baccalaureate Certificate in Pharmacoepidemiology and Drug Safety (Johns Hopkins University, 04/29/14)	N
Post-Baccalaureate Certificate in Science Writing (Johns Hopkins University, 01/10/14)	Y
Post-Baccalaureate Certificate in The Business of Health Care (Johns Hopkins University, 05/08/14)	Y
Post-Baccalaureate Certificate in Teaching English Language Learners (Loyola University, Maryland, 08/28/14)	Y
Post-Baccalaureate Certificate in Theology and Ministry (Loyola University of Maryland, 04/07/14)	Y
Post-Baccalaureate Certificate in Health and Wellness Coaching (Maryland University of Integrated Health, 03/13/14)	Y
Post-Baccalaureate Certificate in Risk Assessment and Management (Notre Dame of Maryland University, 07/08/14)	Y
Post-Baccalaureate Certificate in Autism Studies (Towson University, 09/08/14)	Y
Post-Baccalaureate Certificate in Health Systems Management (University of Baltimore, 08/22/14)	Y
Post-Baccalaureate Certificate in Applied Thanatology (University of Maryland, Baltimore, 08/28/14)	N

Program Title, Institution, and Approval/Recommendation Date	Offered Elsewhere in Maryland
Post-Baccalaureate Certificate in Intermediate Survey Methodology (University of Maryland, College Park, 07/31/14)	Y
Post-Baccalaureate Certificate in Public Financial Management (University of Maryland, College Park, 09/08/14)	Y
Post-Baccalaureate Certificate in Survey Statistics (University of Maryland, College Park, 08/19/14)	Y
Post-Baccalaureate Certificate in World Language Education (University of Maryland, College Park, 09/18/14)	Y

Post-Master Certificates

Program Title, Institution, and Approval/Recommendation Date	Offered Elsewhere in Maryland
Post-Master Certificate in Psychiatric Mental Health Nurse Practitioner (Johns Hopkins University, 01/10/14)	Y
Post-Master Certificate in Quantitative Methods in Applied Economics (Johns Hopkins University, 07/18/14)	Y
Post-Master Certificate in Risk Assessment and Management (Notre Dame of Maryland University, 07/08/14)	Y
Post-Master Certificate in Adult Gerontology Primary Care Nurse Practitioner (University of Maryland, Baltimore, 04/08/14)	Y
Post-Master Certificate in Adult Gerontology Acute Care (University of Maryland, Baltimore, 04/08/14)	N
Post-Master Certificate in Family Nurse Practitioner (University of Maryland, Baltimore, 04/08/14)	Y
Post-Master Certificate in Pediatric Nurse Practitioner-Acute Care (University of Maryland, Baltimore, 04/08/14)	Y
Post-Master Certificate in Psychiatric Mental Health Nurse Practitioner, Family Focus (University of Maryland, Baltimore, 04/08/14)	Y
Post-Master Certificate in Curation and Management of Digital Assets (University of Maryland, College Park, 09/25/14)	Y

SECTION III

ANALYSIS OF NEW DEGREE PROGRAMS OFFERED BY MARYLAND COLLEGES AND UNIVERSITIES

In 2014, a total of 76 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, 31 of these programs were recommended for independent colleges and universities, 27 approved for public four-year colleges and universities, and 18 approved for public community colleges. They are listed by degree level and alphabetically by institution, with the approval or recommendation date in 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. These latter programs are excluded from the summary analysis at the end of this section, which includes only those degrees which were entirely new to each institution.

Associate's Degrees

Program Title, Institution, and Approval/Recommendation Date	Offered Elsewhere in Maryland
Associate of Applied Science in Mechatronics Technology (Anne Arundel Community College, 08/28/14)	Y
Associate of Applied Science in Paramedicine (Baltimore City Community College, 12/30/14)	Y
Associate of Arts and Sciences in Liberal Arts (Carroll Community College, 09/08/14)	Y
Associate of Applied Science in Cybersecurity (Cecil College, 11/21/14)	Y
Associate of Applied Science in Management (Cecil College, 01/08/14)	Y
Associate of Applied Science in Physical Therapist Assistant (Cecil College, 10/22/14)	Y
Associate of Arts in Outdoor Adventure Education (Cecil College, 01/08/14)	N
Associate of Arts in Secondary Education (Cecil College, 01/08/14)	Y
Associate of Arts in Secondary Education-Arts (Cecil College, 01/08/14)	Y
Associate of Science in Mathematics (Cecil College, 01/08/14)	Y
Associate of Science in Landscape Design (Chesapeake College, 12/23/14)	Y
Associate of Science in Landscape Management (Chesapeake College, 12/23/14)	Y
Associate of Applied Science in Cybersecurity (Garrett College, 01/10/14)	Y

Program Title, Institution, and Approval/Recommendation Date	Offered Elsewhere in Maryland
Associate of Applied Science in Paraeducation (Harford Community College, 08/01/14)	N
Associate of Applied Science in Digital Animation (Montgomery College, 12/15/14)	Y
Associate of Applied Science in Surgical Technology (Prince George's Community Science, 07/24/14)	Y
Associate of Applied Science in Occupational Therapy Assistant (Wor-Wic Community College, 07/16/14)	Y
Associate of Applied Science in Physical Therapist Assistant (Wor-Wic Community College, 11/24/14)	Y

Bachelor's Degrees

Program Title, Institution, and Approval/Recommendation Date	Offered Elsewhere in Maryland
Bachelor of Science in Mobile Computing & Game Programming (Capitol College, 09/09/14)	Y
Bachelor of Arts in Accounting (Hood College, 02/05/14)	Y
Bachelor of Arts in Global Studies (Hood College, 04/22/14)	Y
Bachelor of Arts in Law and Criminal Justice (Hood College, 05/02/14)	Y
Bachelor of Science in Nursing (Hood College, 09/25/14)	Y
Bachelor of Arts in Medicine, Science & the Humanities (Johns Hopkins University, 12/18/14)	N
Bachelor of Arts/Science in Multi-Platform Production (Morgan State University, 01/08/14)	Y
Bachelor of Science in Strategic Community (Morgan State University, 02/21/14)	Y
Bachelor of Arts in Art History (St. Mary's College of Maryland, 04/08/14)	Y
Bachelor of Science in Film and Moving Image (Stevenson University, 01/08/14)	Y
Bachelor of Science in Family and Human Services (Towson University, 08/18/14)	Y
Bachelor of Nursing (University of Maryland, Baltimore, 11/25/14)	Y
Bachelor of Art in Biology Education (University of Maryland, Baltimore County, 08/22/14)	Y
Bachelor of Science in Early Childhood and Early Child Special Education (University of Maryland, College Park (07/31/14)	Y
Bachelor of Science in Marketing (University of Maryland Eastern Shore, 02/19/14)	Y
Bachelor of Science in Software Development and Security (University of Maryland, University College, 03/13/14)	Y

Master's Degrees

Program Title, Institution, and Approval/Recommendation Date	Offered Elsewhere in Maryland
Master of Science in Applied Computer Science (Frostburg State University, 08/22/14)	Y
Master of Science in Nursing (Frostburg State University, 05/16/14)	Y
Master of Arts in Cognitive Science (Johns Hopkins University, 06/20/14)	Y
Master of Arts in Government (Johns Hopkins University, 03/13/14)	Y
Master of Arts in Science Writing (Johns Hopkins University, 02/05/14)	Y
Master of Engineering Management (Johns Hopkins University, 03/10/14)	Y
Master of Science in Food Safety Regulation (Johns Hopkins University, 09/23/14)	Y
Master of Science in Global Policy (Johns Hopkins University, 10/17/14)	Y
Master of Science in Nursing (Johns Hopkins University, 08/28/14)	Y
Master of Accounting (Loyola University Maryland, 03/13/14)	Y
Master of Education in Education Technology – Howard High School* (Loyola University Maryland, 11/21/14)	Y
Master of Education in Education Technology – Bishop McNamara High School* (Loyola University Maryland, 11/21/14)	Y
Master of Education in Educational Leadership – Bishop McNamara High School* (Loyola University Maryland, 12/05/14)	Y
Master of Education in Educational Leadership – Howard High School* (Loyola University Maryland, 12/08/14)	Y
Master of Education in Special Education – Howard High School* (Loyola University, Maryland, 11/21/14)	Y
Master of Arts in Health and Wellness Coaching (Maryland University of Integrative Health, 03/13/14)	Y
Master of Science in Health Promotion (Maryland University of Integrative Health, 05/28/14)	Y
Master of Science in Nutrition & Integrated Health (Maryland University of Integrative Health, 01/29/14)	Y
Master of Science in Therapeutic Herbalism (Maryland University of Integrative Health, 01/29/14)	Y
Master of Social Work (Salisbury University, 08/12/14)	Y
Master of Science in Information Security Engineering (SANS Technology Institute, 08/11/14)	Y
Master of Science in Information Security Management (SANS Technology Institute, 08/18/14)	Y
Master of Science in Brewing Science (Stevenson University, 08/26/14)	N

Program Title, Institution, and Approval/Recommendation Date	Offered Elsewhere in Maryland
Master of Studies in Communication Studies (Stevenson University, 07/18/14)	Y
Master of Arts in Interdisciplinary Art Infusion (Towson University, 12/16/14)	Y
Master of Science in Marketing Intelligence (Towson University, 12/05/14)	Y
Master of Professional Studies in Justice Leadership & Management (University of Baltimore, 10/31/14)	Y
Master of Professional Studies in Justice Leadership & Management at The Universities at Shady Grove (University of Baltimore, 11/04/14)*	Y
Master of Science in Forensic Medicine (University of Maryland, Baltimore, 08/21/14)	Y
Master of Science in Law (University of Maryland, Baltimore, 04/17/14)	Y
Master of Education in Special Education at The Universities at Shady Grove* (University of Maryland, College Park, 05/08/14)	Y
Master of Science in Accounting (University of Maryland, College Park, 06/17/14)	Y
Master of Science in Information Systems (University of Maryland, College Park, 09/18/14)	Y
Master of Science in Marketing Analytics (University of Maryland, College Park, 06/17/14)	Y
Master of Supply Chain Management (University of Maryland, College Park, 06/30/14)	Y
Master of Science in Pharmaceutical Sciences (University of Maryland, Eastern Shore, 12/05/14)	Y

Doctoral/Professional Degrees

Program Title, Institution, and Approval/Recommendation Date	Offered Elsewhere in Maryland
Doctorate in Acupuncture (Maryland University of Integrative Health, 09/19/14)	Y
Doctorate in Oriental Medicine (Maryland University of Integrative Health, 09/19/14)	Y
Doctor of Philosophy in Clinical Nutrition (Maryland University of Integrative Health, 09/23/14)	N
Doctor of Philosophy in Transportation and Urban Infrastructure Systems (Morgan State University, 01/08/14)	N
Doctor of Philosophy in Teaching and Learning, Policy and Leadership (University of Maryland College Park, 06/16/14)	Y
Doctor of Philosophy in Pharmaceutical Sciences (University of Maryland, Eastern Shore, 12/05/14)	Y

Summary of New Degree Programs in 2014 by Discipline Type

	LDC*	UDC*	Associate's Degrees	Bachelor's Degrees	PBC*	Master's Degrees	PMC*	Doctoral/ Professional Degrees
Analytics	2			1	2	1		
Behavioral Science						2		
Biblical/Theological					2			
Business/Management/Finance/Economics			1	3	6	3	2	1
Communication/Media/Marketing	4		2	4	1	2		
Cybersecurity	1		2		3	1		
Education			4	3	3	6		1
Engineering						2		
Environmental Science/Studies			3					
Fine Arts					1	1		
Food Science						1		
Forensics	1	1				1		
Health-Related	2		5	3	6	8	6	4
Information Management					1	2	1	
International/Global				1		1		
Legal/Regulatory/Policy			1	1	1	5		
Total	10	1	18	16	26	36	9	6

* Certificate abbreviations are as follows:

- LDC – Lower Division Certificate
- UDC – Upper Division Certificate
- PBC – Post Baccalaureate Certificate
- PMC – Post Master's Certificate

MHEC Staff Analysis for Proliferation or Duplication of Degree Programs

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.

Of the 76 degree programs at in-state institutions that were approved or recommended for implementation by MHEC in 2014, 70 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 six 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.

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

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:

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.

MHEC Staff Analysis for Proliferation or Duplication of Certificate Programs

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 13 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.

Of the 46 certificate programs at in-state institutions that were approved or recommended for implementation by MHEC in 2014, 41 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 five 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.

SECTION IV

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

In 2014, a total of nine Areas of Concentration at in-state institutions were approved (applies to public institutions) or recommended for implementation (applies to independent institutions) by MHEC. All were approved within extant degree programs. Seven of these programs were recommended for independent colleges and universities, and two were approved for public four-year colleges and universities. They are listed by degree level and alphabetically by institution, with the approval or recommendation date in 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. In 2014, Areas of Concentration were only recognized for degrees at the bachelor’s, master’s, or doctoral levels, and not at the associate’s degree level.

Bachelor’s Degrees Areas of Concentration

- Coastal and Watershed Studies, Bachelor of Arts in Environmental Studies
(Hood College, 09/25/14)

Master’s Degrees Areas of Concentration

- Financial Economics, Master of Science in Applied Economics
(Johns Hopkins University, 07/18/14)
- Human Clinical Nutrition, Master of Science in Nutrition and Integrated Health
(Maryland University of Integrated Health, 08/22/14)
- Community Nutrition Education, Master of Science in Nutrition and Integrated Health
(Maryland University of Integrated Health, 08/22/14)
- Herbal Medicine, Master of Science in Nutrition and Integrated Health
(Maryland University of Integrative Health, 04-12-13)
- Population-Based Care Coordination, Master of Science in Nursing
(Stevenson University, 05/08/14)
- Physical Activity, Master of Public Health (University of Maryland, College Park, 07/15/14)

Doctoral Degrees Areas of Concentration

- Human Clinical Nutrition, Master of Science in Nutrition and Integrated Health
(Maryland University of Integrated Health, 08/22/14)
- Neonatal Nurse Practitioner, Doctor of Nursing Practice in Neonatal Nurse Practitioner
(University of Maryland, Baltimore, 12/23/14)

SECTION V

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

In 2014, a total of 103 academic programs from out-of-state institutions were granted authorization to operate in Maryland. These programs were required to gain authorization since they included instructional components offered on the ground in Maryland (either classroom-based or experiential components such as practica and internships). They are listed by award type and alphabetically by institution, with the approval date in parentheses. (Note: Also during 2014, a total of 191 academic programs from out-of-state institutions were renewed to continue their operations in Maryland. These programs are not included in the list below since their initial approvals were prior to 2014).

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 registration to fully online out-of-state programs. In 2014, MHEC issued registration to a total of 78 out-of-state institutions, which collectively registered 1,718 fully online academic programs. A current list of registered institutions can be found on MHEC's Web site at:

https://www.mhec.state.md.us/higherEd/acadAff/OOS_Online/OOS_Online_Reg_List.asp.

Associate's Degrees

Program Title, Institution, and Authorization Date	Offered Elsewhere in Maryland
Associate of Applied Science in Nursing (Saint Michael College of Allied Health, 04/07/14)	Y

Bachelor's Degrees

Program Title, Institution, and Authorization Date	Offered Elsewhere in Maryland
Bachelor of Science in Nursing (Chamberlain College of Nursing, 06/04/14)	Y
Bachelor of Science in Athletic Training (Quinnipiac University, 12/09/14)	Y
Bachelor of Arts in Aquarium and Zoo Science (Saint Francis University, 04/17/14)	N
Bachelor of Science in Biology: Marine Biology (Saint Francis University, 04/17/14)	Y
Bachelor of Science in Computer Systems Management (Saint Francis University, 04/17/14)	Y
Bachelor of Science in Exercise Physiology (Saint Frances University, 04/17/14)	Y

Program Title, Institution, and Authorization Date	Offered Elsewhere in Maryland
Bachelor of Science in Organizational Leadership (Saint Francis University, 04/17/14)	Y
Bachelor of Science in Social Work (Saint Francis University, 04/17/14)	Y
Bachelor of Science/Bachelor of Arts in Criminal Justice and Sociology (Saint Francis University, 04/17/14)	Y
Bachelor of Science in Nursing (St. Joseph College of Maine, 10/08/14)	Y
Bachelor of Science in Nursing (Shenandoah University, 11/24/14)	Y
Bachelor of Science in Information Systems (Strayer University, 03/21/14)	Y
Bachelor of Science in Applied Exercise Science (University of New England, 02/19/14)	Y
Bachelor of Science in Nursing (University of South Alabama, 07/08/14)	Y
Bachelor of Arts in Biblical Studies (Washington Bible College, 05/30/14)	Y
Bachelor of Science in Business Administration (Washington Bible University, 05/30/14)	Y
Bachelor of Science in Family Studies (Washington Bible College, 05/30/14)	Y

Master's Degrees

Program Title, Institution, and Authorization Date	Offered Elsewhere in Maryland
Master of Education in Educational Leadership (American Public University System, 04/17/14)	Y
Master of Education in School Counseling (American Public University, 04/17/14)	Y
Master of Education in Teaching: Elementary Education (American Public University, 04/17/14)	Y
Master of Education in Teaching: Secondary Social Studies (American Public University, 04/17/14)	Y
Master of Science in Addiction Counseling (Capella University, 06/20/14)	Y
Master of Science in Marriage and Family Counseling/Therapy (Capella University, 06/20/14)	Y
Master of Science in Mental Health Counseling (Capella University, 06/20/14)	Y
Master of Science in Nursing (Capella University, 06/20/14)	Y
Master of Science in Psychology (Capella University, 06/20/14)	Y
Master of Science in School Counseling (Capella University, 06/20/14)	Y
Master of Science in Nursing (Chamberlain College of Nursing, 06/04/14)	Y
Master of Arts in Leadership (Denver Seminary, 12/05/14)	Y

Program Title, Institution, and Authorization Date	Offered Elsewhere in Maryland
Master of Divinity (Denver Seminary, 12/05/14)	Y
Master of Science in Project Management at the Southern Maryland Higher Education Center (Florida Institute of Technology, 03/13/14)	Y
Master of Science in Nursing (The George Washington University, 06/04/14)	Y
Master of Science in Nursing in Adult-Gerontology Primary Care Nurse Practitioner (George Washington University, 12/23/14)	Y
Master of Arts in Strategic Leadership (Messiah College, 09/18/14)	Y
Master of Business Administration (Messiah College, 09/18/14)	Y
Master of Music in Conducting (Messiah College, 09/18/14)	Y
Master of Arts in Marriage and Family Therapy (Northcentral University, 09/25/14)	Y
Master of Education in PK-12 Principal Leadership (Northcentral University, 09/25/14)	Y
Master of Science in Disaster Medicine (Philadelphia University, 12/04/14)	Y
Master of Science in Midwifery (Philadelphia University, 12/04/14)	Y
Master of Occupational Therapy (Saint Francis University, 04/17/14)	Y
Master of Physician Assistant Sciences (Saint Francis University, 04/17/14)	Y
Master of Science in Athletic Training (Shenandoah University, 11/24/14)	N
Master of Science in Nursing (Shenandoah University, 11/24/14)	Y
Master of Science in Occupational Therapy (Shenandoah University, 11/24/14)	Y
Master of Science in Physician Assistant (Shenandoah University, 11/24/14)	Y
Master of Science in Nursing (Simmons College, 06/04/14)	Y
Master of Health Sciences in Physician Assistant Studies (South College, 11/20/14)	Y
Master of Public Health (University of New England, 02/19/14)	Y
Master of Science in Nurse Anesthesia (University of New England, 02/19/14)	Y
Master of Science in Physician Assistant (University of New England, 02/19/14)	Y
Master of Science in Social Work (University of New England, 02/19/14)	Y
Master of Science in Nursing (University of South Alabama, 07/08/14)	Y
Master of Science in Nursing (Vanderbilt University, 06/04/14)	Y
Master of Science in Speech Language Pathology (Vanderbilt University, 06/04/14)	Y

Program Title, Institution, and Authorization Date	Offered Elsewhere in Maryland
Master of Arts in Counseling Master of Business Administration (Washington Bible University, 05/30/14)	Y
Master of Divinity (Washington Bible University, 05/30/14)	Y
Master of Religious Education (Washington Bible University, 05/30/14)	Y

Doctoral/Professional Degrees

Program Title, Institution, and Authorization Date	Offered Elsewhere in Maryland
Doctor of Education (Capella University, 06/20/14)	Y
Doctor of Nursing Practice (Capella University, 06/20/14)	Y
Doctor of Philosophy in Counselor Education and Supervision (Capella University, 06/20/14)	Y
Doctor of Philosophy in Education (Capella University, 06/20/14)	Y
Doctor of Psychology (Capella University, 06/20/14)	Y
Doctor of Nursing Practice (Chamberlain College of Nursing, 06/04/14)	Y
Doctor of Psychology in Clinical Psychology (Immaculata University, 02/19/14)	Y
Doctor of Chiropractic (New York Chiropractic College, 12/04/14)	N
Doctor of Philosophy in Marriage and Family Therapy (Northcentral University, 09/25/14)	Y
Doctor of Physical Therapy (Quinnipiac University, 12/09/14)	Y
Doctor of Physical Therapy (Saint Francis University, 04/17/14)	Y
Doctor of Pharmacy (Shenandoah University, 11/24/14)	Y
Doctor of Physical Therapy (Shenandoah University, 11/24/14)	Y
Doctor of Pharmacy (South College, 11/20/14)	Y
Doctor of Osteopathic Medicine (University of New England, 02/19/14)	N
Doctor of Pharmacy (University of New England, 02/19/14)	Y
Doctor of Physical Therapy (University of New England, 02/19/14)	Y
Doctor of Nursing Practice (University of South Alabama, 07/08/14)	Y
Doctor of Audiology (Vanderbilt University, 06/04/14)	Y
Doctor of Medicine/Doctor of Philosophy in Medical Scientist Training (Vanderbilt University, 06/04/14)	N
Doctor of Nursing Practice (Vanderbilt University, 06/04/14)	Y

Program Title, Institution, and Authorization Date	Offered Elsewhere in Maryland
Doctor of Philosophy in Nursing Science (Vanderbilt University, 06/04/14)	Y

Certificates and Endorsements

Program Title, Institution, and Authorization Date	Offered Elsewhere in Maryland
Post-Baccalaureate Teacher Preparation Certificate (American Public University System, 04/17/14)	Y
Post-Master Certificate in College Teaching (Capella University, 06/20/14)	Y
Post-Master Certificate in Education Specialist Program (Capella University, 06/20/14)	Y
Graduate Certificate in Informatics (Chamberlain College of Nursing, 06/04/14)	Y
Graduate Certificate in Nursing Education (Chamberlain College of Nursing, 06/04/14)	Y
Post-Master Certificate in Psychiatric Mental Health Nurse Practitioner (University of Cincinnati, 09/25/14)	Y
Graduate Certificate in Biblical and Theological Studies (Denver Seminary, 12/05/14)	Y
Post-Master Certificate in Advanced Graduate Studies in Conducting (Messiah College, 09/18/14)	N
Post-Master Certificate in Midwifery (Philadelphia University, 12/04/14)	Y
Graduate Certificate in Nursing Education (University of Cincinnati, 09/25/14)	Y
Post-Master Certificate in Nursing (University of South Alabama, 07/08/14)	Y
Post-Master Certificate in Acute Care Pediatric Nurse Practitioner (Vanderbilt University, 06/04/14)	Y
Post-Master Certificate in Adult-Gerontology Acute Nursing Practitioner (Vanderbilt University, 06/04/14)	Y
Post-Master Certificate in Adult-Gerontology Nurse Practitioner (Vanderbilt University, 06/04/14)	Y
Post-Master Certificate in Family Nurse Practitioner (Vanderbilt University, 06/04/14)	Y
Post-Master Certificate in Health Systems Management (Vanderbilt University, 06/04/14)	Y
Post-Master Certificate in Neonatal Nurse Practitioner (Vanderbilt University, 06/04/14)	Y
Post-Master Certificate in Nurse-Midwifery (Vanderbilt University, 06/04/14)	Y
Post-Master Certificate in Nursing Informatics (Vanderbilt University, 06/04/14)	Y
Post-Master Certificate in Primary Care Pediatric Nurse Practitioner (Vanderbilt University, 06/04/14)	Y
Post-Master Certificate in Psychiatric Mental Health Nurse Practitioner (Vanderbilt University, 06/04/14)	Y

Program Title, Institution, and Authorization Date	Offered Elsewhere in Maryland
Post-Master Certificate in Women's Health Care Nurse Practitioner (Vanderbilt University, 06/04/14)	Y

Program Title, Institution, and Authorization Date	Offered Elsewhere in Maryland
Post-Master Certificate in Women's Health Care Nurse Practitioner (Vanderbilt University, 06/04/14)	Y
Post-Master Certificate in Women's Health Care Nurse Practitioner (Vanderbilt University, 06/04/14)	Y
Post-Master Certificate in Women's Health Care Nurse Practitioner (Vanderbilt University, 06/04/14)	Y
Post-Master Certificate in Women's Health Care Nurse Practitioner (Vanderbilt University, 06/04/14)	Y
Post-Master Certificate in Women's Health Care Nurse Practitioner (Vanderbilt University, 06/04/14)	Y
Post-Master Certificate in Women's Health Care Nurse Practitioner (Vanderbilt University, 06/04/14)	Y
Post-Master Certificate in Women's Health Care Nurse Practitioner (Vanderbilt University, 06/04/14)	Y
Post-Master Certificate in Women's Health Care Nurse Practitioner (Vanderbilt University, 06/04/14)	Y
Post-Master Certificate in Women's Health Care Nurse Practitioner (Vanderbilt University, 06/04/14)	Y
Post-Master Certificate in Women's Health Care Nurse Practitioner (Vanderbilt University, 06/04/14)	Y
Post-Master Certificate in Women's Health Care Nurse Practitioner (Vanderbilt University, 06/04/14)	Y
Post-Master Certificate in Women's Health Care Nurse Practitioner (Vanderbilt University, 06/04/14)	Y
Post-Master Certificate in Women's Health Care Nurse Practitioner (Vanderbilt University, 06/04/14)	Y
Post-Master Certificate in Women's Health Care Nurse Practitioner (Vanderbilt University, 06/04/14)	Y
Post-Master Certificate in Women's Health Care Nurse Practitioner (Vanderbilt University, 06/04/14)	Y
Post-Master Certificate in Women's Health Care Nurse Practitioner (Vanderbilt University, 06/04/14)	Y
Post-Master Certificate in Women's Health Care Nurse Practitioner (Vanderbilt University, 06/04/14)	Y
Post-Master Certificate in Women's Health Care Nurse Practitioner (Vanderbilt University, 06/04/14)	Y
Post-Master Certificate in Women's Health Care Nurse Practitioner (Vanderbilt University, 06/04/14)	Y
Post-Master Certificate in Women's Health Care Nurse Practitioner (Vanderbilt University, 06/04/14)	Y
Post-Master Certificate in Women's Health Care Nurse Practitioner (Vanderbilt University, 06/04/14)	Y

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

	Associate's Degrees	Bachelor's Degrees	PBC*	Master's Degrees	PMC*	Graduate Certificate	Doctoral/ Professional Degrees
Biblical/Theological		1		3		1	
Business/Management		1		5			
Computer		2				2	
Counseling/Psychology		1		7			5
Criminal		1					
Education			1	4	3	2	2
General/ Interdisciplinary		1					
Health/Medical	1	4		16	13		5
Environmental		2					
Music				1			
Occupational Therapy				3			1
Physical Therapy		3		1			4
Social Work		1		1			
Total	1	17	1	41	16	5	22

* Certificate abbreviations are as follows:

PBC – Post Baccalaureate Certificate

PMC – Post Master's Certificate

MHEC Staff Analysis for Proliferation or Duplication

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
- 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

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

- 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.

Of the 103 certificate and degree programs at out-of-state institutions that were newly authorized by MHEC to be offered in Maryland, 97 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 six 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.

SECTION VI

PROGRAM PROPOSALS NOT APPROVED OR RECOMMENDED FOR IMPLEMENTATION BY MHEC

In 2014, a total of seven academic program proposals were either not approved or not recommended for implementation by MHEC. Two of these proposed programs were at Maryland community colleges, while the remaining five were at out-of-state institutions seeking authorization to offer the program in Maryland. These programs are listed below with a brief description for the primary reason for denial.

Baltimore City Community College

Lower Division Certificate in Paramedic (Denied 09/24/14)

Reason: Program lacks required accreditation.

Lower Division Certificate in Paramedic Bridge (Denied 09/24/14)

Reason: Program lacks required accreditation.

Drexel University

Bachelor of Science in Elementary Education (Denied 09/19/14)

Reason: Maryland programs are very adequately providing a supply of graduates to meet projected workforce demand.

Bachelor of Science in Nursing (Denied 09/19/14)

Reason: Maryland programs are very adequately providing a supply of graduates to meet projected workforce demand.

Master of Science In Teaching, Learning and Curriculum(Denied 09/19/14)

Reason: Maryland programs are very adequately providing a supply of graduates to meet projected workforce demand.

Global Health College

Associate of Science in Nursing (Denied 12/3/14)

Reason: Maryland programs are very adequately providing a supply of graduates to meet projected workforce demand.

South College

Doctor of Pharmacy (Denied 11/27/14)

Reason: Maryland programs are very adequately providing a supply of graduates to meet projected workforce demand.