



MHEC

MARYLAND HIGHER EDUCATION COMMISSION

**MARYLAND HIGHER
EDUCATION COMMISSION
NEW MAPCS COLLECTION**

**BARBARA SCHMERTZ
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COLLABORATION

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**Chad Muntz - University of Maryland
System**

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University College**

**Kathy Angeletti - University of Maryland
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**Laila Richman - Towson University (Teacher
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**Ann Kellogg - Maryland Longitudinal Data
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MARYLAND STATE APPROVED PROFESSIONAL EDUCATION PROGRAM COMPLETER SYSTEM (MAPCS)

- **What is MAPCS?**
- **Why did we create a new collection?**
- **How is this collection different than NTS?**



DATA ISSUE NUMBER 1

The “Other” Category

48	Theater	7-12	0	0	0	0	0	0	0	0	0	0	0	0
49	Other		0	0	64	215	0	32	0	302	277	0	0	890
50														0
51	TOTAL		47	112	157	362	28	91	81	414	277	62	31	1662



DATA ISSUE NUMBER 2

Data was not comparable to Maryland State Department of Education data

From a MSDE Dashboard 2014-2015 – Program Graduates	From MHEC's DIS and NTS 2014-2015 – Teacher Candidates
1662	829




DATA ISSUE NUMBER 3

Teacher Candidate versus Program Completer

Teacher Candidate definition - To earn an initial teaching certification in the state of Maryland, teaching candidates must meet the following requirements: complete coursework (bachelor's or otherwise), complete a Maryland Approved Program, pass the required exams (e.g., PRAXIS), and submit a Maryland teaching credential application.

Program Completer definition - A person who has met all the requirements of a state-approved teacher preparation program. Program completers include all those who are documented as having met such requirements. Documentation may take the form of a degree, institutional certificate, program credential, transcript or other written proof of having met the program's requirements. In applying this definition, the fact that an individual has or has not been recommended to the state for initial certification or licensure may not be used as a criterion for determining who is a program completer.



MAC2 Maryland Approved Program Completer System (MAPCS)

One record per student per completion of a Maryland State Approved Professional Education Program submitted 1 time per year.

This collection should contain data on students who complete a Maryland State Approved Professional Education Program (degree and non-degree) in the collection period.

Item #	Minimum Field Length	Maximum Field Length	Field Type	Data Element	Data Dictionary Reference	Edit Checks	Description
1	1	1	Digit	Collection Term	DD2	Must correspond with Term upload selection of Annual code 8.	Use Term Identifier (Annual MAPCS Cycle - 8)
2	4	4	Digits	Collection Year	DD1	Must correspond with upload selection for year.	Collection Year (4 digits).
3	8	8	Digits	OPEID(FICE + 2)	DD3	Must match 6 digit FICE in UserID plus 2 zeros.	Institution Identifier using OPEID codes
4	0	1	Alpha/Numeric	Sub-Campus Code	DD4	No edit checks.	For campus use (can be blank)
5	9	9	Digits	Identification Number (SSN)	DD5	Must be 9 digits. Must not be 000000000 or 999999999.	Social Security Number, Individual Taxpayer Identification Number or alternative student identifier (9 digits required, blank not valid)
6	1	1	Digit	Identification Number Type	DD6	Must = 1, 2, or 3	1 = SSN, 2=Institution Assigned Identifier, 3=ITIN
7	3	10	Alphanumeric	Local Campus Student ID	DD8	Must not be blank. Expecting at least 3 alphanumeric characters	Campus Assigned Student ID
8	0	10	Digits	SASID	DD9	May be blank if unknown otherwise 10 digits. Must not start with 0.	MSDE assigned Student identifier
9	1	1	Digit	Gender	DD21	Blank not valid. Must be 1, 2, 3, or 4.	Student gender or assigned gender if unknown.
10	1	1	Digit	US Citizenship	DD24	Must not be blank. Must be 1 or 2.	Identifies whether student is in the US Citizenship group or not.
11	0	1	Alphabetic	Hispanic/Latino Ethnicity	DD25	Must be Y or N or blank if unknown.	Identifies whether student is of Hispanic or Latino origin.
12	0	1	Digit	White	DD26.1	Must be 1 or blank.	Student identifies with White Race category.
13	0	1	Digit	Black/African American	DD26.2	Must be 2 or blank.	Student identifies with Black Race category.
14	0	1	Digit	Asian	DD26.3	Must be 3 or blank.	Student identifies with Asian Race category.

MAC2 Maryland Approved Program Completer System (MAPCS)

One record per student per completion of a Maryland State Approved Professional Education Program submitted 1 time per year.

This collection should contain data on students who complete a Maryland State Approved Professional Education Program (degree and non-degree) in the collection period.

15	0	1	Digit	American Indian/ Native Alaskan	DD26.4	Must be 4 or blank.	Student identifies with Native American Race category.
16	0	1	Digit	Native Hawaiian/ Pac. Is.	DD26.5	Must be 5 or blank.	Student identifies with Native Hawaiian/ PI category.
17	1	1	Digit	Entry Term	DD116	Blank not valid. Must be 1, 2, 3, or 4.	Term of initial enrollment at this institution.
18	4	4	Digits	Entry Year	DD117	Blank not valid. Must be 4 digit year.	Year of initial enrollment at this institution.
19	8	8	Digits	Degree Date	DD112	Must be valid date, or if DD unknown use YYYYMM00.	Calendar Date in which the degree was conferred or the program was completed (if no degree conferred). (YYYYMMDD)
20	2	2	Digits	Degree Sought	DD30	Blank not valid. Valid codes are 40, 60, 47, 87 or 00.	Valid bachelor degree (40) or master's degree (60) code or non-degree code undergraduate(47), non-degree graduate (87) or unknown (00).
21	8	8	Digits	Birthdate	DD27	Student's date of birth. Format: YYYYMMDD	
22	4	4	Digits	Program Completion Code	DD144	Blank not valid. Please see list of 4 digits codes at XXXX. The file should include one row per program completion code.	Identifies the Maryland State Approved Professional Education program completed by each student. Code list is maintained by MHEC. Code list is located at X and is updated annually or as needed.
23	3	3	Digits	Geographic Origin	DD23	Permanent legal residence of student at time of application and admission.	
24	1	1	Digit	Residency Code	DD110	1 = MD resident, 2 = Non-resident	Indicates whether or not the student is a current resident of Maryland.
25	1	1	Digit	DIS-MAPCS Match Flag	DD150	Blank not valid. 1= Record contains MAPCS data and is matched to a record in the aligned DIS year submission 2=Record contains MAPCS data and is NOT record in the aligned DIS year submission.	A flag that indicates whether or not the MAPCS data is associated with a DIS record that was reported for the same student from the same institution for the aligned collection year. The DIS cycle runs from July 1 to June 30 of each year but the MAPCS cycle runs from September 1 to August 31. For cases where the program completer earns a degree after the corresponding DIS file collection closes (e.g. August 15, 2018), include the record in MAPCS but use the code "2" for the Match Flag because the record IS NOT in the 2018 DIS file.
26	1	1	Digit	Military Status	DD145	Must not be blank. Must be 1, 2, 3, 4 , or 5.	Identifies whether student is: 1 = Active duty member of any of the US Armed Forces 2 = Veteran or former active duty member of any of the US Uniformed Forces 3 = Reserve duty member of any of the US Armed Forces, including the National Guard 4 = Spouse or dependent child of an active, reserve, or former member of the US Uniformed Forces 5 = None of the above

WHAT IS NEXT?

- **Communication from the Maryland Higher Education Commission**
 - Invitation to participate
 - Materials (file layout, instructions, updated data definitions and coding)
- **Lead time to prepare for file submission**
 - December 1, 2018 deadline
- **File validation by Maryland Higher Education Commission**
- **Utilization of file for analysis**
 - MHEC
 - MLDS

Questions?

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[https://data.mhec.state.md.us/mac2
_documentation.asp](https://data.mhec.state.md.us/mac2_documentation.asp)