



# Research Brief

## Research Services

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## SUMMARY OF 2016-2017 GRADUATES BY DIPLOMA TYPE

### At a Glance

**M-DCPS had 22,447 graduates in the 2016-2017 academic year. Most students, 88%, achieved a standard diploma (24 credits). Some students choose an alternative curriculum where 333 (1%) achieved an Advanced International Certificate of Education (AICE) diploma and 404 (2%) achieved an International Baccalaureate (IB). An additional 474 (2%) students earned an Academically Challenging Curriculum to Enhance Learning (ACCEL) 18 credit diploma.**

**A quarter of graduates (5,617) earned the Superintendent's Diploma of Distinction for outstanding academics and community service. Florida's Scholar and Merit diploma designations were awarded to 4,209 graduates demonstrating academic strength and career industry certification. Over 1,600 students also earned the Florida Seal of Biliteracy, in Gold or Silver, demonstrating mastery of a foreign language.**

### DIPLOMA OPTIONS

In order to graduate from high school, students must successfully complete one of the following diploma options: (1) Standard diploma program with 24 credits; (2) Advanced International Certificate of Education (AICE) curriculum; (3) International Baccalaureate (IB) curriculum; or (4) Academically Challenging Curriculum to Enhance Learning (ACCEL) 18 credit option. In addition to one of these diploma types, students can earn additional designations provided at the District and State levels to highlight academic achievement, community service, or biliteracy. These additional designations include the Superintendent's Diploma of Distinction, Scholar and Merit designations, and the Florida Seal of Biliteracy. Earning one of these diplomas allows students to become college or career ready and be competitive upon graduation in applying to post-secondary education or joining the workforce.

## Standard Diploma

Students entering 9<sup>th</sup> grade in the 2013-2014 school year have the following requirements for a standard diploma:

- Successfully complete 24 credits, an AICE curriculum, an IB curriculum, or the 18 credit ACCEL option
  - Credits can be obtained through equivalent, applied, or integrated courses or career education courses as defined in Florida statute, including approved internships.
  - The required credits include four in English Language Arts (ELA), four in mathematics, three in science, three in social studies, one in fine and performing arts, speech and debate, or practical arts, one in physical education, and eight electives. Credits in specific courses must be earned.
  - Students must complete at least one course through online learning offered by the Florida Virtual School, a virtual education provider approved by the State Board of Education, a high school, or an online dual enrollment course.
- Earn at least a cumulative 2.0 grade point average (GPA) on a 4.0 scale
- Attain passing scores on required statewide standardized assessments or concordant scores

There was a total of 22,447 graduates in M-DCPS in the 2016-2017 academic year. The majority (88%) of students in M-DCPS earned a standard diploma. Table 1 shows the number and percentage of students by each of the diploma types, described herein. Seven percent of graduates fall into the “other” category, which represents students who achieved a Special Diploma or Certificate of Completion.

Table 1  
M-DCPS Graduates by Diploma Type, 2016-2017

	Number of Students	Percent
Standard Diploma	19,774	88%
AICE	333	1%
IB	404	2%
ACCEL	474	2%
Other	1,464	7%
Total Graduates	22,447	100%

Students who participate in the AICE or IB curriculum and satisfy the other graduation requirements receive a standard diploma. In addition, if they satisfy specific requirements of the Cambridge International Examinations or the International Baccalaureate Organization (IBO), they can receive an AICE diploma or IB diploma.

## Advanced International Certificate of Education (AICE) Diploma

Students who complete an AICE curriculum are eligible to receive an AICE diploma. To receive the AICE diploma, students must achieve a minimum of seven credits in the following different subject groups:

- Complete at least one credit in mathematics and science, languages, and arts and humanities
- Complete one credit in the compulsory course of Global Perspectives and Research
- Receive a score of E, equivalent to a U.S. grade of C, or higher on all subject group examinations

Students who complete the AICE curriculum may earn up to 45 hours of college credit and qualify for the maximum Florida Bright Futures tuition scholarship. In the 2016-2017 academic year, 429 students were eligible for an AICE Diploma. As seen in Table 2, 333 students, or 77% of all eligible students, were awarded an AICE Diploma.

Table 2  
Number of Students Receiving Cambridge AICE Diplomas, 2016-2017

	Number of Students
Awarded AICE Diploma	333
Not Awarded AICE Diploma	96
Total Eligible	429

## International Baccalaureate (IB) Diploma

Students who complete an IB curriculum and take the IB exams, are eligible to receive an IB diploma. To receive the IB diploma, students must meet the core requirements including:

- Extended Essay, Theory of Knowledge (TOK), and Creativity, Action, and Service (CAS) as core elements of the curriculum
  - Extended essay is an independent, self-directed piece of research, finishing with a 4,000-word paper. TOK is a practice in which students are asked to reflect on the nature of knowledge, and on how we know what we claim to know. CAS requires students to take part in a range of experiences and at least one project that involves purposeful activities, personal challenge, thoughtful consideration, and reflection.
- Achieve a minimum of 24 points from the three Standard Level and three Higher Level Exams or two Standard Level and four Higher level exams, one from each of the six subject groups
  - Subject groups include language and literature, language acquisition, individuals and societies, sciences, mathematics, and the arts.
- Demonstrate sufficient breadth in achievement across subjects and the core by meeting the particular requirements stated in articles of the IBO General regulations of the Diploma Programme

Students who successfully pass the IB assessments may earn up to 45 hours of college credit and qualify for the highest level of the Florida Bright Futures tuition scholarship. In the 2016-2017 academic year, 568 students were eligible for the IB Diploma. As seen in Table 3, 404 students, or 71%, were awarded the IB diploma.

Table 3  
Number of Students Receiving an IB Diploma, 2016-2017

	Number of Students
Awarded IB Diploma	404
Not Awarded IB Diploma	164
Total Eligible	568

### Academically Challenging Curriculum to Enhance Learning (ACCEL)

Students who complete an ACCEL curriculum will receive a standard diploma. Students with above grade level performance on statewide standardized assessments, at least a 3.0 GPA, acceptable attendance and conduct, and letters of recommendation are eligible for ACCEL options at their school. ACCEL options for eligible students include whole-grade and midyear promotion, subject-matter acceleration resulting in the promotion or acceleration taking place within the same school or to a new school, and virtual instruction in higher grade level subjects. Students may also take End-of-Course (EOC) Examinations and receive credit for the corresponding high school course if they pass the EOC, also known as the Credit Acceleration Program. Additional ACCEL options include enriched and advanced academic coursework and programs, flexible grouping, combined classes, self-paced instruction, industry certifications, work-related internships or apprenticeships, curriculum compacting, advanced-content instruction, and telescoping curriculum.

#### ACCEL Eighteen (18) Credit High School Diploma Option

Students are required to obtain at least a 2.0 cumulative GPA on a 4.0 scale. Students are not required to complete physical education or the online course, but are required to take three elective courses.

Table 4  
Number of Students Receiving an ACCEL Diploma, 2016-2017

	Number of Students
Awarded ACCEL Diploma	474
Total Graduates	22,447

## DIPLOMA DESIGNATIONS

### Superintendent's Diploma of Distinction

Students can earn the Superintendent's Diploma of Distinction by meeting the following requirements:

- Complete an academically rigorous program of study, including at least four Advanced Placement (AP), IB, AICE, International Studies (IS), and/or dual enrollment courses
- Complete at least 75 hours of community service
- Earn a 3.5 weighted GPA by the end of the first semester of senior year, with final grades no lower than a C

Table 5 indicates the number of students awarded the Superintendent's Diploma of Distinction in the 2016-2017 academic year. Of the 5,617 students with the Diploma of Distinction, 5,076 (90%) had a Standard Diploma, 197 (4%) earned an AICE Diploma, and 344 (6%) earned an IB Diploma.

Table 5  
Number and Percentage of Students Receiving the Superintendent's Diploma of Distinction, 2016-2017

	Number of Students
Awarded Diploma of Distinction	5,617
Total Graduates	22,447

In addition to the standard 24 credit high school diploma program requirements, students are eligible to receive one or both of the additional State designations on their diploma. Students entering 9<sup>th</sup> grade in the 2013-2014 school year must meet a set of requirements for a Scholar and/or Merit designation.

### Scholar Designation

To earn the scholar designation, students must meet the following requirements:

- Pass Biology 1 and US History End-of-Course (EOC) assessments
  - Students are exempt from this requirement if they are enrolled in an AP, IB, or AICE Biology 1 or US History, take the respective examinations, and achieve the minimum score to earn college credit.
- Earn at least one credit in each of the following courses: Algebra 2; statistics or an equally rigorous mathematics course; chemistry or physics; and a course equally rigorous to chemistry or physics
- Earn at least two credits in the same world language
- Earn at least one credit in AP, IB, AICE, or dual enrollment

## Merit Designation

Students achieve the merit designation by attaining one or more industry certifications set forth by Florida statute, in addition to the 24 credit standard high school diploma requirements. The industry certification must be within an industry that addresses critical local or statewide economic need, is included in the State's workforce system's targeted occupation list, or is identified as emerging.

Table 7 indicates the number of students with diploma designations, Scholar, Merit, or with both designations, graduating in the 2016-2017 academic year.

Table 7  
Number of Students Receiving Diploma Designations, 2016-2017

	Number of Students
Scholar	1252
Merit	2254
Both	703
Total Designations	4209

## FLORIDA SEAL OF BILITERACY PROGRAM

Biliteracy is defined by Florida statute as achieving a high level of competency in listening, speaking, reading, and writing in one or more foreign languages in addition to English. A foreign language is defined as a language other than English, which includes American Sign Language, classical languages, and indigenous languages. The Biliteracy Seal is designated on the high school diploma as either Gold, with the highest level of competency, or Silver, with the second-highest level of competency. Students must achieve one of the following requirements:

- Earn at least four foreign language credits in the same foreign language with a cumulative GPA of 3.0 on a 4.0 scale
- Achieve a qualifying score on a world language assessment
- Achieve a level 4 or higher on the grade 10 English Language Arts (ELA) Florida Standards Assessment (FSA) (this is only for the Gold Designation)
  - For languages that are not tested on nationally recognized examinations, students may provide maintenance of a portfolio of language performance, at the Advanced Low level or higher based on the American Council on the Teaching of Foreign Languages (ACTFL) Proficiency Guidelines of 2012 in the modes of communication appropriate for that language.

Table 8 indicates the number of students awarded a Florida Seal of Biliteracy, Gold or Silver, in the 2016-2017 academic year.

Table 8  
Number of Students Receiving the Florida Seal of Biliteracy, 2016-2017

Number of Students	
Gold Seal	1377
Silver Seal	258
Total Seals	1635

In summary, students have options in the type of diploma they receive upon completion of high school. Each option has a set of requirements that must be met. Additionally, students are recognized for achievements and performance in academics, community service, and literacy in foreign languages. These diploma types and designations reflect positively on students when applying to post secondary education or entering the workforce.