

Initial Programs Specialty Licensure Areas Data and Comparisons 2016-2019

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Bachelor of Science in Early Childhood/Special Education - Analysis of Praxis II Data and Comparisons

Data from Content Knowledge

The Early Childhood Special Education Program has a 100% pass rate for Praxis II (5025) for the Early Childhood Content Knowledge. The 2016-2017 cohort performed in Health and Physical Education and Creative and Performing Arts (14.3 average points from 16.8 available points). They performed in Social Studies and Science (11.2 average points from 13.8 available points) as well as Mathematics (19.5 average points from 24.7 available points) and Language and Literacy (24.5 average points from 29.7 available points). All candidates successfully passed this portion of the exam, with 19% of the candidates scoring above target and 81% of the candidates scoring at target level.

The Early Childhood Special Education Program has a 100% pass rate for Praxis II (5025) for the Early Childhood Content Knowledge. The 2017-2018 cohort performed in Health and Physical Education and Creative and Performing Arts (13 average points from 16.6 available points). They performed in Social Studies and Science (10.2 average points from 13.9 available points) as well as Mathematics (19.1 average points from 27.8 available points) and Language and Literacy (23.2 average points from 29.6 available points). All candidates successfully passed this portion of the exam. All candidates successfully passed this portion of the exam, with 25% of the candidates scoring above target and 75% of the candidates scoring at target level.

The Early Childhood Special Education Program has a 100% pass rate for Praxis II (5025) for the Early Childhood Content Knowledge. The 2018-2019 cohort performed in Health and Physical Education and Creative and Performing Arts (13.8 average points from 17 available points). They performed in Social Studies and Science (11.4 average points from 14 available points) as well as Mathematics (18.8 average points from 24.9 available points) and Language and Literacy (21.8 average points from 29 available points). All candidates successfully passed this portion of the exam. All candidates successfully passed this portion of the exam, with 22% of the candidates scoring above target and 78% of the candidates scoring at target level.

Data from Principals of Teaching and Learning

The Early Childhood Special Education Program had a 100% pass rate for Praxis II (5621) for Principals of Teaching and Learning for 2016-2017. The Cohort performed in Professional Development and Leadership (10.3 average points from 1.43 available points) and Assessment (10.1 average points from 14.2 available points). They performed in Analysis of Instructional Scenarios (10.1 average points from 16 available points) and Students as Learners (15.9 average points from 20.9 available points). In Instructional Processes, they received (15.1 average points from 20.7 available points). All candidates successfully passed this portion of the exam. All candidates successfully passed this portion of the exam, with 28% of the candidates scoring above target and 72% of the candidates scoring at target level.

The Early Childhood Special Education Program had a 100% pass rate for Praxis II (5621) for Principals of Teaching and Learning for 2017-2018. The Cohort performed in Professional Development and Leadership (11.2 average points from 12.8 available points) and Assessment (10.2 average points from 14.2 available points). Performed in Analysis of Instructional Scenarios (11.8 average points from 16 available points) and Students as Learners (16.7 average points from 21 available points). In Instructional Processes, they received (15.2 average points from 20.2 available points). All candidates successfully passed this portion of the exam. All candidates successfully passed this portion of the exam, with 22% of the candidates scoring above target and 78% of the candidates scoring at target level.

The Early Childhood Special Education Program had a 100% pass rate for Praxis II (5621) for Principals of Teaching and Learning for 2018-2019. The Cohort performed in Professional Development and Leadership (10.2 average points from 13.5 available points) and Assessment (9.3 average points from 14 available points). Performed in Analysis of Instructional Scenarios (10.2 average points from 16 available points) and Students as Learners (13 average points from 20.6 available points). In Instructional Processes, they received (15.7 average points from 20.2 available points). All candidates successfully passed this portion of the exam. All candidates successfully passed this portion of the exam, with 31% of the candidates scoring above target and 69% of the candidates scoring at target level.

Special Education Praxis II:

The Early Childhood Special Education Program has a 100% pass rate for Special Education for Praxis II (0354/5354) for Special Education Core Knowledge and Applications in 2016-2017. The Cohort performed on Development of Learner (13 average points from 17.4 available points), Professional Responsibilities (16.2 average points from 21.5 available points) and Assessment (14.6 average points from 19.6 available points). The performed in Planning the Learning Environment (18.2 average points from 24.1 available points) and Instruction (17.5 average point From 24.9 available points). All candidates successfully passed this portion of the exam. All candidates successfully passed this portion of the exam, with 27% of the candidates scoring above target and 73% of the candidates scoring at target level.

The Early Childhood Special Education Program has a 100% pass rate for Special Education for Praxis II (5354) for Special Education Core Knowledge and Applications in 2017-2018. The Cohort performed on Development of Learner (13.9 average points from 19.1 available points), Professional Responsibilities (14 average points from 20.5 available points) and Assessment (13.9 average points from 20 available points). The performed in Planning the Learning Environment (17.4 average points from 24.2 available points) and Instruction (15.3 average point From 23.9 available points). All candidates successfully passed this portion of the exam. All candidates successfully passed this portion of the exam, with 31% of the candidates scoring above target and 69% of the candidates scoring at target level.

The Early Childhood Special Education Program has a 100% pass rate for Special Education for Praxis II (5354) for Special Education Core Knowledge and Applications in 2018-2019. The Cohort performed on Development of Learner (13 average points from 17 available points), Professional Responsibilities (16 average points from 22 available points and Assessment (14 average points from 19 available points). The performed in Planning the Learning Environment (18 average points from 24 available points) and Instruction (18 average point From 25 available points). All candidates successfully passed this portion of the exam. All candidates successfully passed this portion of the exam, with 26% of the candidates scoring above target and 74% of the candidates scoring at target level.

Praxis II - Data from the Licensure Examination – Early Childhood/Special Education

2016-2017 Data

Test Name: 0354 Special Education: Core Knowledge and Application											
2016-2017 N=10 MD Passing Score 151		Development & Characteristics of Learners		Planning & The Learning Environment		Instruction		Assessment		Foundations & Professional Responsibilities	
Aggregated Scores	Score	Earned	Available	Earned	Available	Earned	Available	Earned	Available	Earned	Available
Average Earned and Available Points	171.1	13	17.4	18.2	24.1	17.5	24.9	14	19.6	16.2	21.5
		Dif = 4.4		Dif = 5.9		Dif = 7.4		Dif = 5.6		Dif = 5.3	
Performance Ranges		10-18		17-25		12-26		8-21		14-23	

Test Name: 5621 Principles of Learning and Teaching: Early Childhood											
2016-2017 N=10 MD Passing Score 157		Students as Learners		Instruction Processes		Assessment		Professional Development Leadership & Community		Analysis of Instructional Scenarios	
Aggregated Scores	Score	Earned	Available	Earned	Available	Earned	Available	Earned	Available	Earned	Available
Averaged Earned and Available Points	167.5	15.9	20.9	15.1	20.7	10.1	14.2	10.3	13.4	10.1	16
		Dif = 5.0		Dif = 5.6		Dif = 4.1		Dif = 3.1		Dif = 7.9	
Performance Ranges		14-21		13-21		9-15		7-14		7-16	

Test 5025: Early Childhood Education (Content Knowledge)											
2016-2017 N=10 MD Passing Score 156		Language & Literacy		Mathematics		Social Studies		Science		Health/PE/Performing Arts	
Aggregated Scores	Score	Earned	Available	Earned	Available	Earned	Available	Earned	Available	Earned	Available
Averaged Earned and Available Points	176.6	24.5	29.7	19.5	24.7	11.2	13.8	11.1	13.9	14.3	16.8
		Dif = 5.2		Dif = 5.2		Dif = 2.6		Dif = 2.8		Dif = 2.5	
Performance Ranges		21-30		16-25		10-14		9-14		11-17	

2017-2018 Data

Test Name: 5354 Special Education: Core Knowledge and Application											
2017-2018 N= 10 MD Passing Score 151		Development & Characteristics of Learners		Planning & The Learning Environment		Instruction		Assessment		Foundations & Professional Responsibilities	
Aggregated Scores	Score	Earned	Available	Earned	Available	Earned	Available	Earned	Available	Earned	Available
Average Earned and Available Points	164.2	13.9	19.1	17.4	24.2	15.3	23.9	13.9	20.0	14.0	20.5
		Dif = 5.2		Dif = 6.8		Dif = 8.6		Dif = 6.1		Dif = 6.5	
Performance Ranges		11-25		17-22		13-22		8-18		12-19	

Test Name: 5621 Principles of Learning and Teaching: Early Childhood											
2017-2018 N= 6 MD Passing Score 157		Students as Learners		Instruction Processes		Assessment		Professional Development Leadership & Community		Analysis of Instructional Scenarios	
Aggregated Scores	Score	Earned	Available	Earned	Available	Earned	Available	Earned	Available	Earned	Available
Averaged Earned and Available Points	174.2	16.7	21.0	15.2	20.2	10.2	14.2	11.2	12.8	11.8	16.0
		Dif = 4.3		Dif= 5.0		Dif = 4.0		Dif = 1.6		Dif = 4.2	
Performance Ranges		12-16		12-17		8-12		8-12		9-13	

Test 5025: Early Childhood Education (Content Knowledge)											
2017-2018 N= 9 MD Passing Score 156		Language & Literacy		Mathematics		Social Studies		Science		Health/PE/Performing Arts	
Aggregated Scores	Score	Earned	Available	Earned	Available	Earned	Available	Earned	Available	Earned	Available
Averaged Earned and Available Points	172.4	23.2	29.6	19.1	27.8	11.2	13.4	10.2	13.9	13.0	16.6
		Dif = 6.4		Dif = 8.7		Dif = 2.2		Dif = 3.7		Dif = 3.6	
Performance Ranges		18-25		14-21		8-13		8-12		10-15	

2018-2019 Data

Test Name: 5354 Special Education: Core Knowledge and Application											
2018-2019 N= 9 MD Passing Score 151		Development & Characteristics of Learners		Planning & The Learning Environment		Instruction		Assessment		Foundations & Professional Responsibilities	
Aggregated Scores	Score	Earned	Available	Earned	Available	Earned	Available	Earned	Available	Earned	Available
Average Earned and Available Points	171.4	13.3	17.9	18.9	24.2	17.3	23.9	13.3	18.9	16.3	21.6
		Dif = 4.6		Dif = 5.3		Dif = 6.6		Dif = 5.6		Dif = 5.3	
Performance Ranges		12-19		15-23		9-12		9-19		11-20	

Test Name: 5621 Principles of Learning and Teaching: Early Childhood											
2018-2019 N= 13 MD Passing Score 157		Students as Learners		Instruction Processes		Assessment		Professional Development Leadership & Community		Analysis of Instructional Scenarios	
Aggregated Scores	Score	Earned	Available	Earned	Available	Earned	Available	Earned	Available	Earned	Available
Averaged Earned and Available Points	166.6	13.0	20.6	15.7	20.2	9.3	14.0	10.2	13.5	10.2	16
		Dif = 7.6		Dif= 4.5		Dif = 4.7		Dif = 3.3		Dif = 5.8	
Performance Ranges		12-17		13-18		8-12		8-12		8-14	

Test 5025: Early Childhood Education (Content Knowledge)											
2018-2019 N= 13 MD Passing Score 156		Language & Literacy		Mathematics		Social Studies		Science		Health/PE/Performing Arts	
Aggregated Scores	Score	Earned	Available	Earned	Available	Earned	Available	Earned	Available	Earned	Available
Averaged Earned and Available Points	172.3	21.8	29.8	18.8	24.9	11.2	13.9	11.4	14.0	13.8	17.0
		Dif = 8.0		Dif = 6.1		Dif = 2.7		Dif = 2.6		Dif = 3.2	
Performance Ranges		18-23		14-20		9-12		8-12		11-14	

Bachelor of Science in Elementary Education - Analysis of Praxis II Data and Comparisons

The findings detailed in the chart below represent the candidates in the Elementary Education Program who graduated in the 2014-2015, 2015-2016 and 2016-2017 academic periods and passed the Praxis II, a requirement for graduation and certification. These data reflects the success that the Elementary Education Program graduates met ACEI Curriculum standards. Candidates are prepared with the content and pedagogical knowledge necessary to meet the demands of teaching while assisting elementary Candidates to make connections across content areas, meet individual needs and build on prior knowledge to experience academic success.

The Elementary Education Program has a 100% pass rate for Praxis II as passing Praxis II is a requirement for graduation and being considered a program completer, which results in a 100% pass rate.

The 2015-2016 Cohort performed best in Reading (4.65) and Math (4.40). They performed well in Art, Music and Physical Education (3.65) and struggled most in Science (1.15). Data for Content Knowledge reflects the greatest differences between average points and available points; however.

The data for 2016-2017 is consistent with the 2015-2016 data in that the Cohort performed best in Reading (8.25) and Math (9.75) and struggled most in Science (3.25).

On January 22, 2019, the State Board of Education (SBOE) established requirements for educator preparation programs leading to initial Maryland certification. Its primary goal was to increase the rigor and accountability of educator certification and teacher preparation programs in Maryland. The SBOE then tasked the Maryland State Department of Education (MSDE) with the development of regulatory language that would impact the requirements for entry, standards and competencies, clinical experiences and exit for these programs.

The Language has impacted BSU Initial Certification Programs, including graduate and undergraduate in the following ways:

- SAT Scores • Praxis Core Scores • Program Approval Visits • Teacher Certification Assessments: Teaching Reading: Elementary Education (TREE) • Special Education Core Knowledge Assessment • Elementary: Content Knowledge for Teaching (CKT) • Basic Skills Assessment Policy • Maryland Approved Program Transcript Stamp (MAP)

As a department we have reviewed, vetted and obtained input from the Undergraduate Council, and Teacher Education Council on the new policies, regulations and the impact that they have on our students, department, College and University.

Beginning on September 1, 2019, candidates applying for certification in the areas of early childhood education PreK-3, elementary education 1-6, and generic special education infant-grade 3, and grades 18, must present the Praxis Teaching Reading: Elementary (TRE) assessment in addition to the existing tests for those areas. Since the Educational Testing Service did not releasing the newest version (5205) of this assessment until September 1, 2019, the MSDE will accept the previous version (5203) from those candidates who took the assessment prior to the release of the new version. The MSDE will accept the 5203, if taken prior to September 1, 2019, until August 31, 2020. Those applicants who took the assessment on or after September 1, 2019, must pass the TRE 5205 assessment. Those candidates of English for speakers of other languages and special education 6-adult do not need to present the test until September 1, 2020. (Memorandum dated 12-17-18)

On April 24, 2018, the SBOE approved the adoption of the Elementary Education: Content Knowledge for Teaching (CKT) Assessment. Recognizing that the Social Studies: CKT subtest was in the process of being developed and until such time that the subtest was released, the Social Studies: CKT subtest would be comprised of content from an existing elementary social studies Praxis Assessment, the SBOE preemptively approved the adoption of the Social Studies: CKT subtest at the time of release with the cut score recommended by the Multistate Standard-Setting Panel. In April 2019, the ETS announced that the release of the Social Studies: CKT Subtest would occur on or around September 1, 2019. The Multistate Standard-Setting Panel recommended a passing score of 161. Memorandum dated May 1, 2018.

Given that Maryland test takers were not able to register for the required test until October 5, 2019, the MSDE will accept the older version of and the assessment (7802, 7803, 7804, 7805) if the candidate registered on or before October 5, 2019 and the candidate applies for certification by September 30, 2021, which is the established grace period. Those who registered for the test after October 5, 2019 should take the updated version (7812, 7813, 7814, 7815). Candidates who registered for the old version of the test on or before October 5, 2019, should include a copy of their registration.

These changes greatly impacted our program as well as our candidates. While the program completers demonstrate a 100% pass rate, our program in the year 2018-2019 had several candidates (May 2019 – 2 candidates and December 2019 – 3 candidates) who were unable to graduate because they did not pass some sub-test of Praxis II and/or the TRE. Additionally, candidates experienced increased financial hardships as they had to pay for at least 6 tests and more if they needed to repeat tests. The impact on our program has been our response to determine how we might space the tests out across the curriculum; ensuring that our courses are preparing our candidates to meet the standards of the new assessments; and to determine the supports needed for preparing to take the assessments as well as to fund them.

Praxis II - Data from the Licensure Examination – Elementary Education

2015-2016 Data

The charts provide information for Test #5015/5019 and Test #0622/5622.

Exam # 5019 Elementary Education: Instructional Practice and Applications (Content)													
Exam 5015/5019 AY2015/2016		Reading & Language Arts		Mathematics		Science		Social Studies		Art, Music & Physical Education		Applications (Short Content Essay)	
N= 17 Aggregated Scores	Score	Points Earned	Points Available	Points Earned	Points Available	Points Earned	Points Available	Points Earned	Points Available	Points Earned	Points Available	Points Earned	Points Available
Averaged Earned and Available Points	165.88	26.35	31	21.42	25.82	14.85	16	11.92	14	9.17	12.82	16.26	24
Performance Ranges		Dif = 4.65		Dif= 4.40		Dif= 1.15		Dif= 2.08		Dif= 3.65		Dif= 7.74	

Test # 5622: Principles of Learning and Teaching: Grades K-6 (Pedagogy)											
Exam 5622 AY 2015-2016		Students As Learners		Instructional Processes		Assessment		PDL & Community		Instructional Scenarios	
N=15 Aggregated Data	Score	Earned	Available	Earned	Available	Earned	Available	Earned	Available	Earned	Available
Averaged Earned and Available Points	174.87	15.93	21	15.53	20.8	9.8	13.9	11.06	13.9	11.06	16
Performance Ranges		Dif= 5.07		Dif= 5.27		Dif= 4.10		Dif= 2.84		Dif= 4.94	

2016-2017 Data

Exam # 5019 Elementary Education: Instructional Practice and Applications (Content)													
Exam #5019		Reading & Language Arts		Mathematics		Science		Social Studies		Art, Music & Physical Education		Applications (Short Content Essay)	
AY 2016-2017 N=4	Score	Points Earned	Points Available	Points Earned	Points Available	Points Earned	Points Available	Points Earned	Points Available	Points Earned	Points Available	Points Earned	Points Available
Averaged Earned and Available Points	167.25	22.75	31	16.25	26	13.5	16	10.5	14	9.75	13	13	24
Performance Ranges		Dif = 8.25		Dif = 9.75		Dif= 2.5		Dif = 3.5		Dif = 3.25		Dif = 9	

Test # 5622: Principles of Learning and Teaching: Grades K-6 (Pedagogy)											
Exam 5622		Students As Learners		Instructional Processes		Assessment		PDL & Community		Instructional Scenarios	
AY2016-2017 N=5	Score	Earned	Available	Earned	Available	Earned	Available	Earned	Available	Earned	Available
Averaged Earned and Available Points	175.6	14.2	20.4	15.2	20.4	9.2	13.8	12.6	14	12.8	16
Performance Ranges		Dif = 9.8		Dif =5.2		Dif =4.6		Dif =1.4		Dif =3.2	

2018-2019 Data –Praxis II Exams

5622 Principles of Learn & Teaching Grades K-6 (Old)											
Exam 5622 MD Passing Score 160		Students as Learners		Instructional Process		Assessment		Professional Development Leadership and Community		Analysis of Instructional Scenarios	
2018-2019 N=3	Score	Points Earned	Available Points	Points Earned	Available Points	Points Earned	Available Points	Points Earned	Available Points	Points Earned	Available Points
Averaged Earned and Available Points	168.33	14.7	21.0	14.7	21.0	10.3	14. 0	10.0	14.0	9.0	16.0
Performance Ranges		Dif =6.3		Dif =6.3		Dif =3.7		Dif =4		Dif =7.0	

2018-2019 Data – New Praxis II Exams

#5622 Principles of Learn & Teaching Grades K-6											
2018-2019 N=11 MD Passing Score 160		Students as Learners		Instructional Process		Assessment		Professional Development Leadership and Community		Analysis of Instructional Scenarios	
	Score	Points Earned	Available Points	Points Earned	Available Points	Points Earned	Available Points	Points Earned	Available Points	Points Earned	Available Points
Averaged Earned and Available Points	173.72	14.5	21.2	15.0	20.9	8.1	13.5	11.3	13.8	13.5	16.0
Performance Ranges		Dif =6.7		Dif =5.9		Dif =5.4		Dif =2.5		Dif =2.5	

#7802 Elem Ed: CKT Reading & Language Arts Subtest							
2018-2019 N=11 MD Passing Score 161		Foundational Literacy Skills		Language		Constructing Meaning	
	Score	Points Earned	Available Points	Points Earned	Available Points	Points Earned	Available Points
Averaged Earned and Available Points	165.74	10.7	18.0	5.2	9.0	22.3	32.4
Performance Ranges		Dif =7.3		Dif =3.8		Dif =10.1	

#7803 Elem Ed: CKT Mathematics Subtest									
2018-2019 N=11 MD Passing Score 150		Counting and Operations with Whole Numbers		Place Values and Decimals		Fractions; Operations with Fractions; Ratios		Early Equations and Expressions; Measurement; Geometry	
	Score	Points Earned	Available Points	Points Earned	Available Points	Points Earned	Available Points	Points Earned	Available Points
Averaged Earned and Available Points	163.36	10.6	14.1	9.5	13.1	6.1	12.7	7.2	10.9
Performance Ranges		Dif =3.5		Dif =3.6		Dif =6.6		Dif =3.7	

#7804 Elem Ed: CKT Science Subset							
2018-2019 N=11 MD Passing Score 154		Earth and Space Sciences		Life Sciences		Physical Sciences	
	Score	Points Earned	Available Points	Points Earned	Available Points	Points Earned	Available Points
Averaged Earned and Available Points	166.18	8.0	13.7	9.6	14.2	11.2	15.3
Performance Ranges		Dif =5.7		Dif =4.6		Dif =4.1	

#7805 Elem Ed: Social Studies Subset							
2018-2019 N=11 MD Passing Score 155		United States History, Government; Citizenship		Geography; Anthropology; Sociology		World History and Economics	
	Score	Points Earned	Available Points	Points Earned	Available Points	Points Earned	Available Points
Averaged Earned and Available Points	168.45	17.1	25.0	12.7	16.0	7.9	14.0
Performance Ranges		Dif =7.9		Dif =3.3		Dif =6.1	

Secondary Education Initial Certification – Content Programs Tracks

Historically, our secondary education students In English and History pass the Praxis Content the first time that they complete the test. Rarely, it is on the second attempt. The challenge occurs in Mathematics. We have a robust support system in place to support our secondary math students. We offer small group and individual group tutoring through the secondary education math liaison to education. The EPP works with students until they pass the test. Our next step is to analyze if there is a common area of weakness shared by all students or if it is a case by case challenge.

Praxis II - Data from the Licensure Examination Secondary Education

2017-2019 Praxis II Scores by Content Area

#5039 English Language Arts: Content and Analysis									
2017-2019 N=4 MD Passing Score		Reading		Language Usage and Vocabulary		Writing, Speaking, Listening		Constructed Response	
		Points Earned	Available Points	Points Earned	Available Points	Points Earned	Available Points	Points Earned	Available Points
Averaged Earned and Available Points	175.5	34.3	40.5	22.3	28	32.5	41	6.8	12
Performance Ranges		Dif =6.2		Dif =5.7		Dif =8.5		Dif =5.8	

*Other Candidates #5039 Praxis II scores contained no category details

#5941 World and US History: Content Knowledge											
2017-2018 N=1 MD Passing Score		World History to 1450 C.E		World History 1450 C.E. to the Present		United States History to 1877		United States History 1877 to the Present		Historical Thinking Skills Included in Cat 1 through IV	
	Score	Points Earned	Available Points	Points Earned	Available Points	Points Earned	Available Points	Points Earned	Available Points	Points Earned	Available Points
Averaged Earned and Available Points	167	20	28	18	27	23	29	21	28	23	28
Performance Ranges		Dif =8		Dif =9		Dif =6		Dif =7		Dif =5	

*Other Candidates #5941 Praxis II scores contained no category details

#5161 Mathematics: Content Knowledge					
2017-2018 N=4 MD Passing Score 160		Number & Quantity, Algebra, Functions, Calculus		Geometry, Probability & Statistics, Discrete Mathematics	
	Score	Points Earned	Available Points	Points Earned	Available Points
Averaged Earned and Available Points	163.25	24	34	11.25	16
Performance Ranges		Dif =10		Dif =4.75	

*Other Candidates #5161 Praxis II scores contained no category details

#5245 Chemistry: Content Knowledge

*All Candidates #5245 Chemistry Praxis II scores contained no category details

#5325 Biology: Content Knowledge

*All Candidates #5235 Biology Praxis II scores contained no category details

Master of Arts in Teaching – Praxis II Data Analysis and Comparisons

The specialty data for the MAT program represented by an N=1 for secondary (7-12) English Language Arts, Biology, Elementary Education Content Knowledge, and Pedagogical do not represent enough data to make comparison and identify trends for candidates.

Based on the limited explanatory power of data with an N=1, an MAT elementary education candidate need additional support in social studies to improve their content knowledge in United States History, Government, Citizenship and World History and Economics. This limited data also suggests that an MAT elementary education candidate need additional support in science to improve their content knowledge of Life Sciences and Physical Sciences. The limited data also suggests that an elementary education candidate need additional support in reading to improve foundational literacy skills. The data also suggests that an elementary education candidate needs to improve knowledge of how to analyze instructional scenarios. For secondary Biology candidates with an N=1, the limited data suggests that candidates content knowledge in molecular and cellular biology, genetics and evolution, and ecology needs improvement. The secondary English Language Arts limited data (N=1) indicates that candidates reading, language usage and vocabulary need improvement. The content knowledge areas that candidates need improvement are not a part of the curriculum for the MAT program. The candidates' content knowledge is directly related to the candidates' undergraduate degree and certification content knowledge courses taken to meet Maryland State certification requirements. The MAT program focuses on providing students with pedagogical knowledge needed to teach content areas.

*Other Candidates in the various Praxis II scores contained no category details

Praxis II - Data from the Licensure Examination

Secondary 7-12

#5039 English Language Arts: Content and Analysis									
2017-2019 N=1 MD Passing Score		Reading		Language Usage and Vocabulary		Writing, Speaking, Listening		Constructed Response	
	Score	Points Earned	Available Points	Points Earned	Available Points	Points Earned	Available Points	Points Earned	Available Points
Averaged Earned and Available Points	168	25	41	20	28	29	29	10	12
Performance Ranges		Dif =16		Dif =8		Dif =0		Dif =2	

#5325 Biology: Content Knowledge													
2018-2019 N=1 MD Passing Score 150		Nature of Science: Scientific Inquiry, Methodology; Techniques & History		Molecular and Cellular Biology		Genetics and Evolution		Diversity of Life and Organismal Biology		Ecology: Organisms and Environments		Science; Technology; and Social Perspectives	
	Score	Points Earned	Available Points	Points Earned	Available Points	Points Earned	Available Points	Points Earned	Available Points	Points Earned	Available Points	Points Earned	Available Points
Averaged Earned and Available Points	168	12	16	15	24	12	24	19	23	13	19	9	12
Performance Ranges		Dif =4		Dif =9		Dif =12		Dif =4		Dif =6		Dif = 3	

Elementary K-6

#5622 Principles of Learn & teaching Grades K-6											
2018-2019 N=1 MD Passing Score 160		Students as Learners		Instructional Process		Assessment		Professional Development Leadership and Community		Analysis of Instructional Scenarios	
	Score	Points Earned	Available Points	Points Earned	Available Points	Points Earned	Available Points	Points Earned	Available Points	Points Earned	Available Points
Averaged Earned and Available Points	184	18	21	21	21	12	14	11	14	9	16
Performance Ranges		Dif =3		Dif =0		Dif =2		Dif =3		Dif =7	

#7802 Elem Ed: CKT Reading & Language Arts Subtest							
2018-2019 N=1 MD Passing Score 161		Foundational Literacy Skills		Language		Constructing Meaning	
	Score	Points Earned	Available Points	Points Earned	Available Points	Points Earned	Available Points
Averaged Earned and Available Points	181	12	18	5	9	28	32
Performance Ranges		Dif =6		Dif =4		Dif =4	

#7803 Elem Ed: CKT Mathematics Subtest									
2018-2019 N=1 MD Passing Score 150		Counting and Operations with Whole Numbers		Place Values and Decimals		Fractions; Operations with Fractions; Ratios		Early Equations and Expressions; Measurement; Geometry	
	Score	Points Earned	Available Points	Points Earned	Available Points	Points Earned	Available Points	Points Earned	Available Points
Averaged Earned and Available Points	175	11	14	10	13	10	13	7	11
Performance Ranges		Dif =3		Dif =3		Dif =3		Dif =4	

#7804 Elem Ed: CKT Science Subset							
2018-2019 N=1 MD Passing Score 154		Earth and Space Sciences		Life Sciences		Physical Sciences	
	Score	Points Earned	Available Points	Points Earned	Available Points	Points Earned	Available Points
Averaged Earned and Available Points	166	9	12	9	14	11	16
Performance Ranges		Dif =3		Dif =5		Dif =5	

#7805 Elem Ed: Social Studies Subset							
2018-2019 N=1 MD Passing Score 155		United States History, Government; Citizenship		Geography; Anthropology; Sociology		World History and Economics	
	Score	Points Earned	Available Points	Points Earned	Available Points	Points Earned	Available Points
Averaged Earned and Available Points	167	19	25	12	16	7	14
Performance Ranges		Dif =6		Dif =4		Dif =7	

Master of Education in Special Education Program - Praxis II Analysis of Data and Comparisons

The Graduate Special Education certification program has worked diligently with the Maryland State Department of Education (MSDE) to establish exam cut-off scores that best reflect the needed knowledge and skills for special education teachers in our state. The Educational Testing Service (ETS) has worked closely with CEC to develop national performance standards for these tests to provide guidance to states as they establish state standards. Consequently, cut-off scores are indicators of candidate's level of mastery of program content knowledge. Additionally, CEC formally acknowledge Praxis II assessments align with professional standards. Thus, the formal acknowledgement verifies the alignment of the assessments with state standards.

Praxis II: Special Education

2014-2015 Data - #5354 Special Education: Core Knowledge and Application

2014-2015 N=5	Development and Characteristics of Learners		Planning and the learning Environment		Instruction		Assessment		Foundations of Professional Responsibilities	
	Points Earned	Available Points	Points Earned	Available Points	Points Earned	Available Points	Points Earned	Available Points	Points Earned	Available Points
Averaged Earned and Available Points	11.5	18	19	22	15.5	23.5	11.5	25	19	23
Performance Ranges	Dif = 6.5		Dif = 5		Dif = 8		Dif = 6.5		Dif = 4	

2015-2016 Data - #5354 Special Education: Core Knowledge and Application

2015-2016 N=5	Development and Characteristics of Learners		Planning and the learning Environment		Instruction		Assessment		Foundations of Professional Responsibilities	
	Points Earned	Available Points	Points Earned	Available Points	Points Earned	Available Points	Points Earned	Available Points	Points Earned	Available Points
Averaged Earned and Available Points	15	17	23	26	15	22	13	19	16	23
Performance Ranges	Dif = 2		Dif = 3		Dif = 7		Dif = 6		Dif = 7	

2016-2017 Data - #5354 Special Education: Core Knowledge and Application

2016-2017 N=2	Development and Characteristics of Learners		Planning and the learning Environment		Instruction		Assessment		Foundations of Professional Responsibilities	
	Points Earned	Available Points	Points Earned	Available Points	Points Earned	Available Points	Points Earned	Available Points	Points Earned	Available Points
Averaged Earned and Available Points	15	17	21	25	18	24	17	21	18	20
Performance Ranges	Dif = 2		Dif = 54		Dif = 6		Dif = 4		Dif = 2	

2017-2018 Data - #5354 Special Education: Core Knowledge and Application

2017-2018 N=2	Development and Characteristics of Learners		Planning and the learning Environment		Instruction		Assessment		Foundations of Professional Responsibilities	
	Points Earned	Available Points	Points Earned	Available Points	Points Earned	Available Points	Points Earned	Available Points	Points Earned	Available Points
Averaged Earned and Available Points	12	18	19	23	18	26	14	18	18	23
Performance Ranges	Dif = 6		Dif =4		Dif =8		Dif =4		Dif =5	

2018-2019 Data - #5354 Special Education: Core Knowledge and Application

2018-2019 N=5	Development and Characteristics of Learners		Planning and the learning Environment		Instruction		Assessment		Foundations of Professional Responsibilities	
	Points Earned	Available Points	Points Earned	Available Points	Points Earned	Available Points	Points Earned	Available Points	Points Earned	Available Points
Averaged Earned and Available Points	13	18	20	25	17	24	15	20	16	22
Performance Ranges	Dif =5		Dif =5		Dif =7		Dif =5		Dif =6	