



**STATE OF HAWAII**  
DEPARTMENT OF EDUCATION  
P.O. BOX 2360  
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OFFICE OF CURRICULUM, INSTRUCTION AND STUDENT SUPPORT

December 21, 2009

To: Complex Area Superintendents, Secondary School Principals, Secondary Mathematics Department Chairpersons, and Secondary Registrars  
*[Signature]*  
From: Daniel S. Hamada, Assistant Superintendent  
Subject: **American Diploma Project (ADP) Algebra 2 End-of-Course (EOC) Exam Criterion for the Board of Education (BOE) Special Recognition Diploma**

BOE Policy 4540 states that beginning with the Class of 2013, one of the criteria for earning the BOE Special Recognition Diploma is that the student must “meet the standard on the Algebra 2 EOC Exam.” Each student taking the Algebra 2 EOC Exam will receive one of the following recommendations based upon the scaled score earned:

Recommendation	Well Prepared	Prepared	Minimally Prepared	Needs Preparation
Scale Score (s)	$s \geq 1275$	$1275 > s \geq 1150$	$1150 > s \geq 1038$	$s < 1038$

A scaled score of 1038 has been identified as the minimum score a student must earn in order to meet the Algebra 2 EOC Exam criterion for earning the BOE Special Recognition Diploma.

Additionally, as a result of the work accomplished by the Hawaii P-20 Partnerships for Education, the University of Hawaii (UH) has committed to a three-year plan regarding the use of students’ Algebra 2 EOC Exam score for placement into college-level mathematics courses. However, the Algebra 2 EOC Exam score is only one of the criteria used for determining a student’s opportunities for placement into UH mathematics courses. Please read Attachment A in its entirety to understand the three-year plan.

If there are any questions, please contact Mr. Dewey Gottlieb, Educational Specialist for Mathematics, at 203-5537 or via Lotus Notes.

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Attachment

- c: Superintendent
- Assistant Superintendents
- Superintendent’s Office Directors
- Charter School Administrative Office

## Three-Year Plan for Placement into University of Hawaii Mathematics Courses Based on Performance on the Algebra II End-of-Course Exam

### Agreements and Understandings:

- The Algebra II End-of-Course Exam is administered in public high schools by the Department of Education.
- Placement into UH mathematics courses based on performance on the Exam is contingent on:
  - the student's course grade for Algebra II;
  - completion of a mathematics course (Algebra II or higher) in the senior year of high school; and
  - meeting other course pre-requisites which are set by individual campuses (e.g., some campuses require a minimal grade in, placement into, or concurrent enrollment in, certain English courses as a pre-requisite)
- Algebra II End-of-Course Exam scores are valid for 18 months.
- This proposal will be piloted for three years beginning Fall 2010. Prior to Fall 2013, validation studies will be used to adjust the range of scaled scores for each performance level and/or course placements as necessary.
- Students who wish to place into higher mathematics courses may still take the placement exam offered at the UH campus they will be attending.
- If students meet the criteria for placement into a certain mathematics course, they have met the criteria to enroll in any of that course's pre-requisite courses (e.g., students who meet placement criteria for Trigonometry/Analytic Geometry may opt to take Elementary Functions or College Algebra).

ALGEBRA II END-OF-COURSE EXAM PROFICIENCY LEVEL (in terms of level of preparedness for college-level mathematics)	MINIMUM COURSE PLACEMENT (for students on a degree path requiring advanced mathematics)	MINIMUM COURSE PLACEMENT (for students on a degree path requiring general education or other credit in mathematics)	
<b>WELL PREPARED</b>	MATH 140 MATH 104G (UH-Hilo) Pre-Calculus: Trigonometry/ Analytic Geometry	MATH 100 Survey of Mathematics	MATH 110 (HawCC only) College Algebra MATH 111 MATH 107 (UH-Hilo, HawCC) Mathematics for Elementary Teachers
<b>PREPARED</b>			MATH 50+ MATH 60+ Technical math courses that lead to a certificate at UH community colleges
<b>MINIMALLY PREPARED</b>	MATH 103* College Algebra MATH 27 (HawCC only) Intermediate Algebra		
<b>NEEDS MORE PREPARATION</b>	<i>Student will need to take mathematics placement exam at receiving campus.</i>		

\* MATH 103 College Algebra is offered at all campuses except UH-Manoa and HawCC. HawCC offers a different version of College Algebra under course number MATH 110.

\*\* MATH 115 is the course number for Applied Calculus at UH-Hilo, and MATH 115 is also the course number for Statistics at all other campuses (UH-Manoa does not offer MATH 115 Statistics).