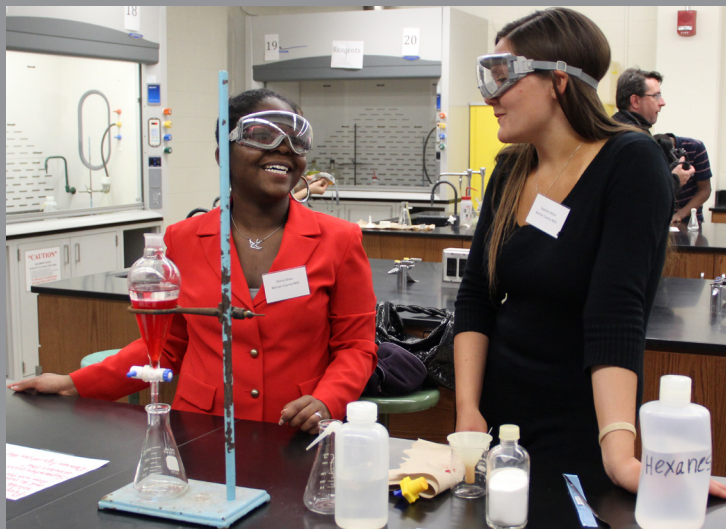


# Berrien County Mathematics & Science Center

## HIGH SCHOOL PROGRAM



### What We're About-

The purpose of the Berrien County Mathematics and Science Center high school program is to magnify the quality of mathematics, science and technology education by inspiring and challenging the most academically able high school students. This is accomplished by providing students with exciting explorations in mathematics, science and technology through an enriched environment and rigorous curriculum. The Center also provides outreach services to local school districts in the areas of leadership, student services, curriculum support, community involvement, and professional development as well as providing resource materials.

### Course Sequence-

#### Grade 9

Integrated Geometry  
Research Biology  
Computer Science I

#### Grade 10

Integrated Algebra II  
Analytical Chemistry  
Computer Science II

#### Grade 11

Pre-Calculus  
Physics  
Elective Choice

#### Grade 12

AP Calculus  
Advanced Interdisciplinary Science  
Elective Choice

**Some students may be accelerated in the mathematics sequence and have the option of taking University mathematics courses after completing AP Statistics.**

### A Brief History-

In the fall of 1991, the Berrien County Mathematics and Science Center welcomed its first freshman class. A collaboration of local school districts, Andrews University, and business and industry, the Center – operated by Berrien Regional Education Service Agency – was established to provide an accelerated program for students in Berrien and Cass counties. Of the 33 Math/Science Centers in Michigan, the Berrien County program is one of only five where students attend classes at an off-site school for half a day.

### About The Curriculum-

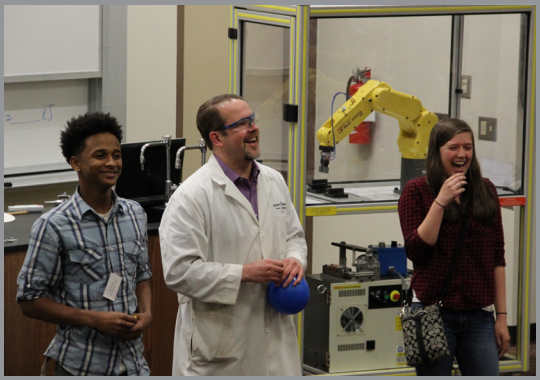
The accelerated, enhanced curriculum requires four years of science and mathematics, and two years of computer science. Students also participate in activities, projects, and field trips related to the curriculum. Additionally, juniors and seniors have the opportunity to take elective courses at Andrews University for college credit. College credit is available to students for some required courses.

Berrien County Math & Science Center instructors feel passionately about providing student research opportunities and hands-on laboratory experiences. Inserted throughout their science coursework students are encouraged to pursue research options. Freshman and senior years are “bookended” with research experiences, including publishing and presenting at the Michigan High School Research Symposium and Berrien County International Science and Engineering Fair.



**BERRIEN RESA**

Today's Purpose - Tomorrow's Promise.



## **Campus Setting-**

*Classes are held on the campus of Andrews University in the Science Complex (which includes various science laboratories), and Smith Hall. As a result of this partnership with the University, students can utilize university caliber classrooms, laboratories, technology and support facilities.*

*Instruction is delivered by university professors and staff. Seventy-five percent of the instructors hold PhD's in their academic fields. Ninety-five percent of graduates have attended four-year colleges. These colleges include Andrews University, Carnegie Mellon University, Michigan Technological University, Drake University, Harvard University, Kalamazoo College, MIT, Notre Dame University, Northwestern University, Cornell University, University of Michigan and many others. Eighty seven percent of graduates are members of the National Honors Society.*

## **Contact Information:**

### **Berrien Regional Education Service Agency**

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### **Center location:**

Andrews University -  
Smith Hall

Berrien Regional Education Service Agency complies with all federal and state laws and regulations prohibiting discrimination and with all requirements and regulations of the United States Department of Education and the Michigan State Department of Education.

## **Admission Requirements-**

*Students must apply to the Center by early March of their eighth grade year. To be considered for the program, eighth graders must take the Scholastic Aptitude Test (SAT) by the March test date of their eighth grade year and complete one year of algebra by the end of that same year. The average SAT score for the most recent ninth grade class was over 1020. Admissions are then based on SAT scores (a minimum math score of 400 is required), as well as grade point averages and teacher recommendations.*

*Although it is most common to join the MSC as a 9th grader, it is possible to enter as an upper-classman as well. Students seeking entrance to the MSC as upper-classman must have successfully completed similar courses to that of MSC students. Admission for upper-classmen is granted as space is available. Class capacity is capped at 30 students. Applications for both 9th grade and upper-classmen can be found at our website, through your local school guidance office or from the Center Coordinator.*

## **Jump Start on Earning College Credit-**

*Berrien County Math & Science Center students are able to get a jump start on their college/university graduation requirements! Advanced Placement courses (required) and college courses (optional) both allow for students to start gaining credits toward a college diploma while still in high school. Additionally, Berrien County Math & Science Center students are now able to start a college transcript while enrolled in the MSC's core required classes. University credit opportunities start as early as sophomore year. There are some minimum grade stipulations and a \$75/credit hour recording fee that apply; however, if a student is able to take advantage of all these credit opportunities, they have the potential to earn up to 27 college credit hours by graduation. Andrews University credit is transferrable to many other accredited institutions throughout the nation.*