



Bloomington High School is a diverse community that supports lifelong learners who are responsible and productive citizens in our global society. Together we will provide a safe environment that guides students to reach their full potential in pursuit of academic and personal fulfillment.

**Course Title:** 022241-2 Algebra II

**Course Description:**

This second course in algebra contains three quarters of advanced algebra and one quarter of trigonometry. Mastery of Algebra I topics is expected and new topics such as higher degree equations, complex numbers, and logarithms are included. The use of the graphing calculator is essential and enhances the study and understanding of concepts in this course. An introduction to trigonometry includes an emphasis on notation, definitions, use of tables and calculators, and the fundamental identities. Students should allow extra study time in their schedules for this course. *Graphing calculators are required. TI-83 plus or TI-84 graphing calculators are recommended. TI-89 calculators are not allowed in this course.*

**Units of Study:**

Semester 1:

- Unit 1- Linear Relationships
- Unit 2- Linear Inequalities and Applications
- Unit 3- Exploring Quadratic Functions
- Unit 4- Problem Solving with Quadratic Functions
- Unit 5- Preparing for Polynomials
- Unit 6- Polynomial Expressions

Semester 2:

- Unit 7- Polynomial Functions
- Unit 8- Rational Expressions
- Unit 9- Rational Functions
- Unit 10- Trig. Functions of General Angles
- Unit 11- Circular Trigonometry
- Unit 12- The Art of Functions
- Unit 13- Exponential Functions and Logarithmic Functions

**Texts and Required Readings:** Algebra 2, Glencoe Algebra 2, eStudent Edition 2014 by McGraw-Hill.  
ISBN:76798186

**BHS Grading Scale and Policy:**

The semester final grade is obtained from running semester grade (80%) and the semester final exam grade (20%). This means that you will have already earned 80% of your final grade by the time you reach semester exams. Semester exams are required. [BHS Handbook, pg. 17](#)

**90-100% = A**

**80-89% = B**

**70-79% = C**

**60-69% = D**

**Below 60% = F**

**BHS Makeup Work Policy:**

All students are expected to do makeup work in a timely fashion. It is the student's responsibility to obtain assignments prior to a pre-arranged absence, and immediately upon return for all other absences. General rule: one day absence affords one day to complete formative makeup work. For summative, students should expect to complete on the day of return. Failure to complete makeup work by the teacher deadline will result in a zero/missing in Gradebook. [BHS Handbook, pg. 37](#).

**Discussing Controversial Issues in the Classroom:**

The guidelines set forth by the District 87 Board Policy 6.070 will be used handling controversial issues in the classroom. Please contact your teacher if you have any questions.