

---

---

# GATEWAY CENTER FOR EDUCATION

46 E. Steger Road, Steger, Illinois 60475  
GatewayCenterForEducation@gmail.com  
GatewayCenterForEducation.com  
708-756-5000  
f)708-754-1033

---

---

## MATHEMATICS PROGRAM

### ***MATH 091 – KINDERGARTEN MATH - 1<sup>ST</sup> SEM***

***0.5 CREDIT***

- Prerequisite: Pre-Diagnostic Assessment
- Course Requirements:
  - Demonstrate mastery of the Early Elementary skills in the Mathematics Learning Standards.
  - Complete the following assessment requirements:

	Prerequisite	Credit Requirement
○ Math Computation	0.1	0.4
○ Math Concepts	0.1	0.4

This course develops skills in computation, concepts and problem solving strategies, while introducing color, shape, size, classification, position, patterns, and numbers 0 through 10. Test-taking and study skills are integrated into each class.

### ***MATH 092 – KINDERGARTEN MATH - 2<sup>ND</sup> SEM***

***0.5 CREDIT***

- Prerequisite: Pre-Diagnostic Assessment
- Course Requirements:
  - Demonstrate mastery of the Early Elementary skills in the Mathematics Learning Standards.
  - Complete the following assessment requirements:

	Prerequisite	Credit Requirement
○ Math Computation	0.4	0.9
○ Math Concepts	0.4	0.9

This course develops skills in computation, concepts and problem solving strategies, while introducing numeral writing and data, addition and subtraction readiness, time, money, measurement, fractions, greater numbers and word problems. Test-taking and study skills are integrated into each class.

---

---

# GATEWAY CENTER FOR EDUCATION

46 E. Steger Road, Steger, Illinois 60475  
GatewayCenterForEducation@gmail.com  
GatewayCenterForEducation.com  
708-756-5000  
f)708-754-1033

---

---

## MATHEMATICS PROGRAM

### **MATH 101 – 1<sup>ST</sup> GRADE MATH - 1<sup>ST</sup> SEM**

**0.5 CREDIT**

- Prerequisite: Pre-Diagnostic Assessment
- Course Requirements:
  - Demonstrate mastery of the Early Elementary skills in the Mathematics Learning Standards.
  - Complete the following assessment requirements:

	Prerequisite	Credit Requirement
○ Math Computation	0.9	1.4
○ Math Concepts	0.9	1.4

This course develops skills in computation, concepts and problem solving strategies. It begins with a comprehensive review of previously learned skills and introduces geometry, data manipulation, and addition and subtraction facts through 6. Test-taking and study skills are integrated into each class.

### **MATH 102 – 1<sup>ST</sup> GRADE MATH - 2<sup>ND</sup> SEM**

**0.5 CREDIT**

- Prerequisite: Pre-Diagnostic Assessment
- Course Requirements:
  - Demonstrate mastery of the Early Elementary skills in the Mathematics Learning Standards.
  - Complete the following assessment requirements:

	Prerequisite	Credit Requirement
○ Math Computation	1.4	1.9
○ Math Concepts	1.4	1.9

This course develops skills in computation, concepts and problem solving strategies. It begins with a comprehensive review of previously learned skills and introduces addition and subtraction facts through 20, place value, time and money, 2-digit addition and subtraction, and fractions and measurement. Test-taking and study skills are integrated into each class.

---

---

# GATEWAY CENTER FOR EDUCATION

46 E. Steger Road, Steger, Illinois 60475  
GatewayCenterForEducation@gmail.com  
GatewayCenterForEducation.com  
708-756-5000  
f)708-754-1033

---

---

## MATHEMATICS PROGRAM

### ***MATH 201 – 2<sup>ND</sup> GRADE MATH - 1<sup>ST</sup> SEM***

***0.5 CREDIT***

- Prerequisite: Pre-Diagnostic Assessment
- Course Requirements:
  - Demonstrate mastery of the Early Elementary skills in the Mathematics Learning Standards.
  - Complete the following assessment requirements:

	Prerequisite	Credit Requirement
○ Math Computation	1.9	2.4
○ Math Concepts	1.9	2.4

This course develops skills in computation, concepts and problem solving strategies. It introduces addition and subtraction facts through 20, place value through 100, geometry and fractions, measurement and 2-digit addition. Test-taking and study skills are integrated into each class.

### ***MATH 202 – 2<sup>ND</sup> GRADE MATH - 2<sup>ND</sup> SEM***

***0.5 CREDIT***

- Prerequisite: Pre-Diagnostic Assessment
- Course Requirements:
  - Demonstrate mastery of the Early Elementary skills in the Mathematics Learning Standards.
  - Complete the following assessment requirements:

	Prerequisite	Credit Requirement
○ Math Computation	2.4	2.9
○ Math Concepts	2.4	2.9

This course develops skills in computation, concepts and problem solving strategies. It introduces 2-digit subtraction, data and probability, place value to 1,000, 3-digit addition and subtraction, and beginning multiplication and division. It reviews time and money. Test-taking and study skills are integrated into each class.

---

---

# GATEWAY CENTER FOR EDUCATION

46 E. Steger Road, Steger, Illinois 60475  
GatewayCenterForEducation@gmail.com  
GatewayCenterForEducation.com  
708-756-5000  
f)708-754-1033

---

---

## MATHEMATICS PROGRAM

### ***MATH 301 – 3<sup>RD</sup> GRADE MATH - 1<sup>ST</sup> SEM***

***0.5 CREDIT***

- Prerequisite: Pre-Diagnostic Assessment
- Course Requirements:
  - Demonstrate mastery of the Early Elementary skills in the Mathematics Learning Standards.
  - Complete the following assessment requirements:

	Prerequisite	Credit Requirement
○ Math Computation	2.9	3.4
○ Math Concepts	2.9	3.4

This course develops skills in computation, concepts and problem solving strategies. It reviews place value, money, and time. It introduces 3- and 4-digit addition and subtraction with carrying/borrowing, multiplication and division to 5, geometry, and probability. Test-taking and study skills are integrated into each class.

### ***MATH 302 – 3<sup>RD</sup> GRADE MATH - 2<sup>ND</sup> SEM***

***0.5 CREDIT***

- Prerequisite: Pre-Diagnostic Assessment
- Course Requirements:
  - Demonstrate mastery of the Early Elementary skills in the Mathematics Learning Standards.
  - Complete the following assessment requirements:

	Prerequisite	Credit Requirement
○ Math Computation	3.4	3.9
○ Math Concepts	3.4	3.9

This course develops skills in computation, concepts and problem solving strategies. It introduces fractions, multiplication and division to 9, multiplying and dividing by 1-digit numbers, measurement, and decimals. Test-taking and study skills are integrated into each class.

---

---

# GATEWAY CENTER FOR EDUCATION

46 E. Steger Road, Steger, Illinois 60475  
GatewayCenterForEducation@gmail.com  
GatewayCenterForEducation.com  
708-756-5000  
f)708-754-1033

---

---

## MATHEMATICS PROGRAM

### ***MATH 401 – 4<sup>TH</sup> GRADE MATH - 1<sup>ST</sup> SEM***

***0.5 CREDIT***

- Prerequisite: Pre-Diagnostic Assessment
- Course Requirements:
  - Demonstrate mastery of the Late Elementary skills in the Mathematics Learning Standards.
  - Complete the following assessment requirements:

	Prerequisite	Credit Requirement
○ Math Computation	3.9	4.4
○ Math Concepts	3.9	4.4
○ Math Problem Solving	3.9	4.4

This course develops skills in computation, concepts and problem solving strategies. It reviews place value, addition and subtraction of whole numbers, and multiplication of whole numbers. It introduces division with 1-digit divisors, fractions, and mixed numbers. Test-taking and study skills are integrated into each class.

### ***MATH 402 – 4<sup>TH</sup> GRADE MATH - 2<sup>ND</sup> SEM***

***0.5 CREDIT***

- Prerequisite: Pre-Diagnostic Assessment
- Course Requirements:
  - Demonstrate mastery of the Late Elementary skills in the Mathematics Learning Standards.
  - Complete the following assessment requirements:

	Prerequisite	Credit Requirement
○ Math Computation	4.4	4.9
○ Math Concepts	4.4	4.9
○ Math Problem Solving	4.4	4.9

This course develops skills in computation, concepts and problem solving strategies. It reviews geometry, measurement, and decimals. It introduces division with 2-digit divisors, data and statistics, probability, and algebra using variables and coordinate graphing. Test-taking and study skills are integrated into each class.

---

---

# GATEWAY CENTER FOR EDUCATION

46 E. Steger Road, Steger, Illinois 60475  
GatewayCenterForEducation@gmail.com  
GatewayCenterForEducation.com  
708-756-5000  
f)708-754-1033

---

---

## MATHEMATICS PROGRAM

### ***MATH 501 – 5<sup>TH</sup> GRADE MATH - 1<sup>ST</sup> SEM***

***0.5 CREDIT***

- Prerequisite: Pre-Diagnostic Assessment
- Course Requirements:
  - Demonstrate mastery of the Late Elementary skills in the Mathematics Learning Standards.
  - Complete the following assessment requirements:

	Prerequisite	Credit Requirement
○ Math Computation	4.9	5.4
○ Math Concepts	4.9	5.4
○ Math Problem Solving	4.9	5.4

This course develops skills in computation, concepts and problem solving strategies. It reviews place value, addition and subtraction of whole numbers, and multiplication and division of whole numbers. It introduces addition and subtraction of fractions and mixed numbers and continues with multiplication and division of fractions and mixed numbers. Test-taking and study skills are integrated into each class.

### ***MATH 502 – 5<sup>TH</sup> GRADE MATH - 2<sup>ND</sup> SEM***

***0.5 CREDIT***

- Prerequisite: Pre-Diagnostic Assessment
- Course Requirements:
  - Demonstrate mastery of the Late Elementary skills in the Mathematics Learning Standards.
  - Complete the following assessment requirements:

	Prerequisite	Credit Requirement
○ Math Computation	5.4	5.9
○ Math Concepts	5.4	5.9
○ Math Problem Solving	5.4	5.9

This course develops skills in computation, concepts and problem solving strategies. It reviews decimals, measurement, and geometry. It introduces ratio and percent, data and statistics, probability, and algebra using integers and the coordinate plane. Test-taking and study skills are integrated into each class.

---

---

# GATEWAY CENTER FOR EDUCATION

46 E. Steger Road, Steger, Illinois 60475  
GatewayCenterForEducation@gmail.com  
GatewayCenterForEducation.com  
708-756-5000  
f)708-754-1033

---

---

## MATHEMATICS PROGRAM

### ***MATH 601 – 6<sup>TH</sup> GRADE MATH - 1<sup>ST</sup> SEM***

***0.5 CREDIT***

- Prerequisite: Pre-Diagnostic Assessment
- Course Requirements:
  - Demonstrate mastery of the Late Elementary skills in the Mathematics Learning Standards.
  - Complete the following assessment requirements:

	Prerequisite	Credit Requirement
○ Math Computation	5.9	6.4
○ Math Concepts	5.9	6.4
○ Math Problem Solving	5.9	6.4

This course develops skills in computation, concepts and problem solving strategies. It reviews all advanced whole number calculations and reinforces decimals, number theory and fraction concepts, fractions, and measurement. Test-taking and study skills are integrated into each class.

### ***MATH 602 – 6<sup>TH</sup> GRADE MATH - 2<sup>ND</sup> SEM***

***0.5 CREDIT***

- Prerequisite: Pre-Diagnostic Assessment
- Course Requirements:
  - Demonstrate mastery of the Late Elementary skills in the Mathematics Learning Standards.
  - Complete the following assessment requirements:

	Prerequisite	Credit Requirement
○ Math Computation	6.4	6.9
○ Math Concepts	6.4	6.9
○ Math Problem Solving	6.4	6.9

This course develops skills in computation, concepts and problem solving strategies. It reviews advanced ratios, proportions, and percents and reinforces geometry of plane figures, formulas in geometry, data and statistics, probability, algebra using integers and equations, coordinate graphing, and rational numbers. Test-taking and study skills are integrated into each class.

---

---

# GATEWAY CENTER FOR EDUCATION

46 E. Steger Road, Steger, Illinois 60475  
GatewayCenterForEducation@gmail.com  
GatewayCenterForEducation.com  
708-756-5000  
f)708-754-1033

---

---

## MATHEMATICS PROGRAM

### **MATH 701 – 7<sup>TH</sup> GRADE MATH - 1<sup>ST</sup> SEM**

**0.5 CREDIT**

- Prerequisite: Pre-Diagnostic Assessment
- Course Requirements:
  - Demonstrate mastery of the Middle/Junior High School skills in the Mathematics Learning Standards.
  - Complete the following assessment requirements:

	Prerequisite	Credit Requirement
○ Math Computation	6.9	7.4
○ Math Concepts	6.9	7.4
○ Math Problem Solving	6.9	7.4

This course develops skills in computation, concepts and problem solving strategies. It reviews number theory, decimals and fractions, measurement, ratios, proportions, percents, and applications of percent. Test-taking and study skills are integrated into each class.

### **MATH 702 – 7<sup>TH</sup> GRADE MATH - 2<sup>ND</sup> SEM**

**0.5 CREDIT**

- Prerequisite: Pre-Diagnostic Assessment
- Course Requirements:
  - Demonstrate mastery of the Middle/Junior High School skills in the Mathematics Learning Standards.
  - Complete the following assessment requirements:

	Prerequisite	Credit Requirement
○ Math Computation	7.4	7.9
○ Math Concepts	7.4	7.9
○ Math Problem Solving	7.4	7.9

This course develops skills in computation, concepts and problem solving strategies. It reviews data, statistics, probability, and geometry. It reinforces integers and rational numbers, algebra using expressions and equations, using formulas in geometry and the coordinate plane using graphs and transformations. Test-taking and study skills are integrated into each class.



---

---

# GATEWAY CENTER FOR EDUCATION

46 E. Steger Road, Steger, Illinois 60475  
GatewayCenterForEducation@gmail.com  
GatewayCenterForEducation.com  
708-756-5000  
f)708-754-1033

---

---

## MATHEMATICS PROGRAM

### **MATH 801 – 8<sup>TH</sup> GRADE MATH - 1<sup>ST</sup> SEM**

**0.5 CREDIT**

- Prerequisite: Pre-Diagnostic Assessment
- Course Requirements:
  - Demonstrate mastery of the Middle/Junior High School skills in the Mathematics Learning Standards.
  - Complete the following assessment requirements:

	Prerequisite	Credit Requirement
○ Math Computation	7.9	8.4
○ Math Concepts	7.9	8.4
○ Math Problem Solving	7.9	8.4

This course develops skills in computation, concepts and problem solving strategies. It reviews number theory, decimals and fractions, measurement, ratios, proportions, percents, and applications of percent. Test-taking and study skills are integrated into each class.

### **MATH 802 – 8<sup>TH</sup> GRADE MATH - 2<sup>ND</sup> SEM**

**0.5 CREDIT**

- Prerequisite: Pre-Diagnostic Assessment
- Course Requirements:
  - Demonstrate mastery of the Middle/Junior High School skills in the Mathematics Learning Standards.
  - Complete the following assessment requirements:

	Prerequisite	Credit Requirement
○ Math Computation	8.4	8.9
○ Math Concepts	8.4	8.9
○ Math Problem Solving	8.4	8.9

This course develops skills in computation, concepts and problem solving strategies. It reviews data, statistics, probability, and geometry. It reinforces integers and rational numbers, algebra using expressions and equations, using formulas in geometry and the coordinate plane using graphs and transformations. Test-taking and study skills are integrated into each class.

---

---

# GATEWAY CENTER FOR EDUCATION

46 E. Steger Road, Steger, Illinois 60475  
GatewayCenterForEducation@gmail.com  
GatewayCenterForEducation.com  
708-756-5000  
f)708-754-1033

---

---

## MATHEMATICS PROGRAM

### ***MATH 901 – MATH ESSENTIALS - 1<sup>ST</sup> SEM***

***0.5 CREDIT***

- Prerequisite: Pre-Diagnostic Assessment
- Course Requirements:
  - Demonstrate mastery of the Early High School skills in the Mathematics Learning Standards.
  - Complete the following assessment requirements:

	Prerequisite	Credit Requirement
○ Math	8.9	9.4

This course develops skills in computation, concepts and problem solving strategies. Designed to help students reach minimum competency levels. Test-taking and study skills are integrated into each class.

### ***MATH 902 – MATH ESSENTIALS – 2<sup>ND</sup> SEM***

***0.5 CREDIT***

- Prerequisite: Pre-Diagnostic Assessment
- Course Requirements:
  - Demonstrate mastery of the Early High School skills in the Mathematics Learning Standards.
  - Complete the following assessment requirements:

	Prerequisite	Credit Requirement
○ Math	9.4	9.9

This course develops skills in computation, concepts and problem solving strategies. Designed to help students reach minimum competency levels. Test-taking and study skills are integrated into each class.

---

---

# GATEWAY CENTER FOR EDUCATION

46 E. Steger Road, Steger, Illinois 60475  
GatewayCenterForEducation@gmail.com  
GatewayCenterForEducation.com  
708-756-5000  
f)708-754-1033

---

---

## MATHEMATICS PROGRAM

### ***MATH 905 – CONSUMER MATH - 1<sup>ST</sup> SEM***

***0.5 CREDIT***

- Prerequisite: Pre-Diagnostic Assessment
- Course Requirements:
  - Demonstrate mastery of the Early Elementary skills in the Mathematics Learning Standards.
  - Complete the following assessment requirements:

	Prerequisite	Credit Requirement
○ Math	8.9	9.4

This course develops skills in computation, concepts and problem solving strategies. Designed to help students meet the challenges faced by most consumers. Test-taking and study skills are integrated into each class.

### ***MATH 906 – CONSUMER MATH – 2<sup>ND</sup> SEM***

***0.5 CREDIT***

- Prerequisite: Pre-Diagnostic Assessment
- Course Requirements:
  - Demonstrate mastery of the Early Elementary skills in the Mathematics Learning Standards.
  - Complete the following assessment requirements:

	Prerequisite	Credit Requirement
○ Math	9.4	9.9

This course develops skills in computation, concepts and problem solving strategies. Designed to help students meet the challenges faced by most consumers. Test-taking and study skills are integrated into each class.

---

---

# GATEWAY CENTER FOR EDUCATION

46 E. Steger Road, Steger, Illinois 60475  
GatewayCenterForEducation@gmail.com  
GatewayCenterForEducation.com  
708-756-5000  
f)708-754-1033

---

---

## MATHEMATICS PROGRAM

### ***MATH 908 – PRE-ALGEBRA - 1<sup>ST</sup> SEM***

***0.5 CREDIT***

- Prerequisite: Pre-Diagnostic Assessment
- Course Requirements:
  - Demonstrate mastery of the Early High School skills in the Mathematics Learning Standards.
  - Complete the following assessment requirements:

	Prerequisite	Credit Requirement
○ Math	8.9	9.4

This course develops skills in computation, concepts and problem solving strategies. This course covers integers, variables, equations, fractions, probability, decimals and percents. Test-taking and study skills are integrated into each class.

### ***MATH 909 – PRE-ALGEBRA – 2<sup>ND</sup> SEM***

***0.5 CREDIT***

- Prerequisite: Pre-Diagnostic Assessment
- Course Requirements:
  - Demonstrate mastery of the Early High School skills in the Mathematics Learning Standards.
  - Complete the following assessment requirements:

	Prerequisite	Credit Requirement
○ Math	9.4	9.9

This course develops skills in computation, concepts and problem solving strategies. This course covers analyzing data, graphing, square roots and right triangles, polynomials, equations, and volume and surface area. Test-taking and study skills are integrated into each class.

---

---

# GATEWAY CENTER FOR EDUCATION

46 E. Steger Road, Steger, Illinois 60475  
GatewayCenterForEducation@gmail.com  
GatewayCenterForEducation.com  
708-756-5000  
f)708-754-1033

---

---

## MATHEMATICS PROGRAM

### ***MATH 1001 – MATH SKILLS FOR DAILY LIVING - 1<sup>ST</sup> SEM      0.5 CREDIT***

- Prerequisite: Pre-Diagnostic Assessment
- Course Requirements:
  - Demonstrate mastery of the Early High School skills in the Mathematics Learning Standards.
  - Complete the following assessment requirements:

	Prerequisite	Credit Requirement
○ Math	9.9	10.4

This course develops skills in computation, concepts and problem solving strategies. This course gives step-by-step instructional models on consumer topics, careers, and calculator notes. Test-taking and study skills are integrated into each class.

### ***MATH 1002 – MATH SKILLS FOR DAILY LIVING – 2<sup>ND</sup> SEM      0.5 CREDIT***

- Prerequisite: Pre-Diagnostic Assessment
- Course Requirements:
  - Demonstrate mastery of the Early High School skills in the Mathematics Learning Standards.
  - Complete the following assessment requirements:

	Prerequisite	Credit Requirement
○ Math	10.4	10.9

This course develops skills in computation, concepts and problem solving strategies. This course gives step-by-step instructional models on consumer topics, careers, and calculator notes. Test-taking and study skills are integrated into each class.

---

---

# GATEWAY CENTER FOR EDUCATION

46 E. Steger Road, Steger, Illinois 60475  
GatewayCenterForEducation@gmail.com  
GatewayCenterForEducation.com  
708-756-5000  
f)708-754-1033

---

---

## MATHEMATICS PROGRAM

### ***MATH 1005 – ALGEBRA ESSENTIALS - 1<sup>ST</sup> SEM***

***0.5 CREDIT***

- Prerequisite: Pre-Diagnostic Assessment
- Course Requirements:
  - Demonstrate mastery of the Early High School skills in the Mathematics Learning Standards.
  - Complete the following assessment requirements:

	Prerequisite	Credit Requirement
○ Math	8.9	9.4

This course develops skills in computation, concepts and problem solving strategies. This course helps students meet the challenge of learning algebra in a step-by-step method. Test-taking and study skills are integrated into each class.

### ***MATH 1006 – ALGEBRA ESSENTIALS – 2<sup>ND</sup> SEM***

***0.5 CREDIT***

- Prerequisite: Pre-Diagnostic Assessment
- Course Requirements:
  - Demonstrate mastery of the Early High School skills in the Mathematics Learning Standards.
  - Complete the following assessment requirements:

	Prerequisite	Credit Requirement
○ Math	9.4	9.9

This course develops skills in computation, concepts and problem solving strategies. This course helps students meet the challenge of learning algebra in a step-by-step method. Test-taking and study skills are integrated into each class.

---

---

# GATEWAY CENTER FOR EDUCATION

46 E. Steger Road, Steger, Illinois 60475  
GatewayCenterForEducation@gmail.com  
GatewayCenterForEducation.com  
708-756-5000  
f)708-754-1033

---

---

## MATHEMATICS PROGRAM

### ***MATH 1008 – ALGEBRA I - 1<sup>ST</sup> SEM***

***0.5 CREDIT***

- Prerequisite: Pre-Diagnostic Assessment
- Course Requirements:
  - Demonstrate mastery of the Early High School Elementary skills in the Mathematics Learning Standards.
  - Complete the following assessment requirements:

	Prerequisite	Credit Requirement
○ Math	8.9	9.4

This course develops skills in computation, concepts and problem solving strategies. This course covers variables, integers, inequalities, polynomials, and factoring. Test-taking and study skills are integrated into each class.

### ***MATH 1009 – ALGEBRA I - 2<sup>ND</sup> SEM***

***0.5 CREDIT***

- Prerequisite: Pre-Diagnostic Assessment
- Course Requirements:
  - Demonstrate mastery of the Early High School skills in the Mathematics Learning Standards.
  - Complete the following assessment requirements:

	Prerequisite	Credit Requirement
○ Math	9.4	9.9

This course develops skills in computation, concepts and problem solving strategies. This course covers fractions, functions and graphs, square roots, quadratics, lines and slopes, systems, and introduces trigonometry. Test-taking and study skills are integrated into each class.

---

---

# GATEWAY CENTER FOR EDUCATION

46 E. Steger Road, Steger, Illinois 60475  
GatewayCenterForEducation@gmail.com  
GatewayCenterForEducation.com  
708-756-5000  
f)708-754-1033

---

---

## MATHEMATICS PROGRAM

### ***MATH 1101 – MATH APPLICATIONS I - 1<sup>ST</sup> SEM***

***0.5 CREDIT***

- Prerequisite: Pre-Diagnostic Assessment
- Course Requirements:
  - Demonstrate mastery of the Late High School skills in the Mathematics Learning Standards.
  - Complete the following assessment requirements:

	Prerequisite	Credit Requirement
○ Math	10.9	11.4

This course develops skills in computation, concepts and problem solving strategies. This course emphasizes practical skills, problem solving applications and reviews computational skills. Test-taking and study skills are integrated into each class.

### ***MATH 1102 – MATH APPLICATIONS I – 2<sup>ND</sup> SEM***

***0.5 CREDIT***

- Prerequisite: Pre-Diagnostic Assessment
- Course Requirements:
  - Demonstrate mastery of the Late High School skills in the Mathematics Learning Standards.
  - Complete the following assessment requirements:

	Prerequisite	Credit Requirement
○ Math	11.4	11.9

This course develops skills in computation, concepts and problem solving strategies. This course emphasizes practical skills, problem solving, applications and reviews computational skills. Test-taking and study skills are integrated into each class.



---

---

# GATEWAY CENTER FOR EDUCATION

46 E. Steger Road, Steger, Illinois 60475  
GatewayCenterForEducation@gmail.com  
GatewayCenterForEducation.com  
708-756-5000  
f)708-754-1033

---

---

## MATHEMATICS PROGRAM

### ***MATH 1105 – INFORMAL GEOMETRY – 1<sup>ST</sup> SEM***

***0.5 CREDIT***

- Prerequisite: Pre-Diagnostic Assessment
- Course Requirements:
  - Demonstrate mastery of the Late High School skills in the Mathematics Learning Standards.
  - Complete the following assessment requirements:

	Prerequisite	Credit Requirement
○ Math	10.9	11.4

This course develops skills in computation, concepts and problem solving strategies. This course helps students relate Geometry to their everyday world through hands-on activities. Test-taking and study skills are integrated into each class.

### ***MATH 1106 – INFORMAL GEOMETRY – 2<sup>ND</sup> SEM***

***0.5 CREDIT***

- Prerequisite: Pre-Diagnostic Assessment
- Course Requirements:
  - Demonstrate mastery of the Late High School skills in the Mathematics Learning Standards.
  - Complete the following assessment requirements:

	Prerequisite	Credit Requirement
○ Math	11.4	11.9

This course develops skills in computation, concepts and problem solving strategies. This course helps students relate Geometry to their everyday world through hands-on activities. Test-taking and study skills are integrated into each class.

---

---

# GATEWAY CENTER FOR EDUCATION

46 E. Steger Road, Steger, Illinois 60475  
GatewayCenterForEducation@gmail.com  
GatewayCenterForEducation.com  
708-756-5000  
f)708-754-1033

---

---

## MATHEMATICS PROGRAM

### ***MATH 1108 – GEOMETRY - 1<sup>ST</sup> SEM***

***0.5 CREDIT***

- Prerequisite: Pre-Diagnostic Assessment
- Course Requirements:
  - Demonstrate mastery of the Late High School skills in the Mathematics Learning Standards.
  - Complete the following assessment requirements:

	Prerequisite	Credit Requirement
○ Math	10.9	11.4

This course develops skills in computation, concepts and problem solving strategies. This course introduces points, lines, angles, logic, reflections, congruence, proofs, polygons and symmetry, and triangle congruence. Test-taking and study skills are integrated into each class.

### ***MATH 1109 – GEOMETRY – 2<sup>ND</sup> SEM***

***0.5 CREDIT***

- Prerequisite: Pre-Diagnostic Assessment
- Course Requirements:
  - Demonstrate mastery of the Late High School skills in the Mathematics Learning Standards.
  - Complete the following assessment requirements:

	Prerequisite	Credit Requirement
○ Math	11.4	11.9

This course develops skills in computation, concepts and problem solving strategies. This course introduces perimeters and areas, three-dimensional figures, surface areas and volumes, indirect and coordinate proofs, similarity, similar triangles, trigonometry and circles. Test-taking and study skills are integrated into each class.

---

---

# GATEWAY CENTER FOR EDUCATION

46 E. Steger Road, Steger, Illinois 60475  
GatewayCenterForEducation@gmail.com  
GatewayCenterForEducation.com  
708-756-5000  
f)708-754-1033

---

---

## MATHEMATICS PROGRAM

### ***MATH 1201 – MATH APPLICATIONS II - 1<sup>ST</sup> SEM***

***0.5 CREDIT***

- Prerequisite: Pre-Diagnostic Assessment
- Course Requirements:
  - Demonstrate mastery of the Late High School skills in the Mathematics Learning Standards.
  - Complete the following assessment requirements:

	Prerequisite	Credit Requirement
○ Math	11.9	12.4
  - Math

This course develops skills in computation, concepts and problem solving strategies. This course integrates real-life applications with basic computational skills. It includes problem solving, estimation, mental math, algebra, geometry, probability, logic and statistics. Test-taking and study skills are integrated into each class.

### ***MATH 1202 – MATH APPLICATIONS II - 2<sup>ND</sup> SEM***

***0.5 CREDIT***

- Prerequisite: Pre-Diagnostic Assessment
- Course Requirements:
  - Demonstrate mastery of the Late High School skills in the Mathematics Learning Standards.
  - Complete the following assessment requirements:

	Prerequisite	Credit Requirement
○ Math	12.4	12.9
  - Math

This course develops skills in computation, concepts and problem solving strategies. This course integrates real-life applications with basic computational skills. It includes problem solving, estimation, mental math, algebra, geometry, probability, logic and statistics. Test-taking and study skills are integrated into each class.

---

---

# GATEWAY CENTER FOR EDUCATION

46 E. Steger Road, Steger, Illinois 60475  
GatewayCenterForEducation@gmail.com  
GatewayCenterForEducation.com  
708-756-5000  
f)708-754-1033

---

---

## MATHEMATICS PROGRAM

### ***MATH 1205 – BUSINESS MATH - 1<sup>ST</sup> SEM***

***0.5 CREDIT***

- Prerequisite: Pre-Diagnostic Assessment
- Course Requirements:
  - Demonstrate mastery of the Late High School skills in the Mathematics Learning Standards.
  - Complete the following assessment requirements:

	Prerequisite	Credit Requirement
○ Math	11.9	12.4

This course develops skills in computation, concepts and problem solving strategies. This course builds and strengthens basic skills in personal and business math. Test-taking and study skills are integrated into each class.

### ***MATH 1206 – BUSINESS MATH – 2<sup>ND</sup> SEM***

***0.5 CREDIT***

- Prerequisite: Pre-Diagnostic Assessment
- Course Requirements:
  - Demonstrate mastery of the Late High School skills in the Mathematics Learning Standards.
  - Complete the following assessment requirements:

	Prerequisite	Credit Requirement
○ Math	12.4	12.9

This course develops skills in computation, concepts and problem solving strategies. This course builds and strengthens basic skills in personal and business math. Test-taking and study skills are integrated into each class.

---

---

# GATEWAY CENTER FOR EDUCATION

46 E. Steger Road, Steger, Illinois 60475  
GatewayCenterForEducation@gmail.com  
GatewayCenterForEducation.com  
708-756-5000  
f)708-754-1033

---

---

## MATHEMATICS PROGRAM

### ***MATH 1208 – ALGEBRA II & TRIG - 1<sup>ST</sup> SEM***

***0.5 CREDIT***

- Prerequisite: Pre-Diagnostic Assessment
- Course Requirements:
  - Demonstrate mastery of the Late High School skills in the Mathematics Learning Standards.
  - Complete the following assessment requirements:

	Prerequisite	Credit Requirement
○ Math	11.9	12.4
  - Math

This course develops skills in computation, concepts and problem solving strategies. This course reviews algebra and introduces equations and inequalities, relations, functions, and graphs, systems of equations, polynomials, rational expressions, powers, roots and complex numbers, quadratic equations and quadratic functions and transformations. Test-taking and study skills are integrated into each class.

### ***MATH 1209 – ALGEBRA II & TRIG - 2<sup>ND</sup> SEM***

***0.5 CREDIT***

- Prerequisite: Pre-Diagnostic Assessment
- Course Requirements:
  - Demonstrate mastery of the Late High School skills in the Mathematics Learning Standards.
  - Complete the following assessment requirements:

	Prerequisite	Credit Requirement
○ Math	12.4	12.9
  - Math

This course develops skills in computation, concepts and problem solving strategies. This course covers equations of second degree, polynomial functions, exponential and logarithmic functions, matrices and determinants, sequences, series, and mathematical induction, counting and probability, statistics and data analysis, and trigonometric functions, identities and equations. Test-taking and study skills are integrated into each class.