**Prerequisite/Advisory and Entering Skills Reference Sheet**

*For courses with requisites in English, math, and/or reading, please select 1-2 skills from each advisory/prerequisite course as entering skills for your course.*

**Appropriate placement (based on high school GPA and/or other measures) or ENGL 035 or ENLA 100**

* Write a multi-paragraph essay with a thesis statement and general introductory and concluding remarks

**ENGL 101**

* Write a multi-paragraph essay with a thesis statement and the use of outside research sources to support the thesis
* Demonstrate through essay writing the relationship between reading different points of view, and developing an original thesis statement, which can be supported by logical arguments and researched evidence
* Use critical thinking processes to clearly and logically explain and/or defend points of view

**Appropriate placement (based on high school GPA and/or other measures) or MATH 070 or MATH 070D or MATH 073**

1. Simplify and evaluate numerical and algebraic expressions using operations and properties of real numbers.
2. Solve linear equations and inequalities incorporating absolute values.
3. Solve problems involving linear equations in two or more variables and their graphs.
4. Graph linear inequalities in two variables.
5. Solve problems involving polynomials and factoring in one or more variables.
6. Incorporate properties of real number exponents and scientific notation to solve problems.
7. Solve quadratic equations using different methods.
8. Incorporate operations and simplifications of rational expressions to solve equations and inequalities.
9. Incorporate operations and simplifications of radicals to solve equations.
10. Incorporate operations and simplifications of complex numbers to solve equations.
11. Solve systems of equations and inequalities.
12. Solve exponential and logarithmic equations.
13. Use function notation, and graph basic functions.
14. Solve applied problems involving polynomials, radical and rational expressions.

**Appropriate placement (based on high school GPA and/or other measures) or READ 043**

* Comprehend textbook reading written at the early college level

**Appropriate placement (based on high school GPA and/or other measures) or READ 101**

1. Identify the elements of the critical reading process.
2. Acquire new vocabulary.
3. Describe the effects of language upon the reader.
4. Analyze the elements of argumentation.
5. Describe the impact of issues in critical reading upon the reader.
6. Acquire critical reading and thinking skills that can be transferred to other disciplines.