

# USC Summer Programs

## Pre-calculus | Trigonometry Waiver Teacher Recommendation Form

Student's Full Name: \_\_\_\_\_

High School: \_\_\_\_\_ Current grade in school: 9 10 11 12

Highest level of math completed with B or better: \_\_\_\_\_

Current math course: \_\_\_\_\_ Current grade or percentage in course: \_\_\_\_\_

Dear Math Teacher:

The above named student is interested in enrolling in the Discover Engineering summer course at the University of Southern California. In this 3.0 unit college course, students will be introduced to various engineering disciplines through a series of lectures, academic exercises, field trips and engineering projects. Students will design, simulate, construct and test: digital logic circuits, programmable logic units, bridges, ROVs, a prosthetic arm, and model rockets.

The minimum requirement for enrolling in the class is PreCalc/Trig. However, students who will not have completed PreCalc/Trig before the start of the program will be considered based upon the recommendation of their current math teacher. Please assess and report the student's ability to compute and solve problems in the following mathematical conceptual areas:

	Below Basic	Basic	Proficient	Advanced	Superior
Ratios and Proportions					
Functions					
Binary Number System					
Logarithms and Exponents					
Formulas composed of linear & quadratic algebraic equations					
Pythagorean Theorem					
Polynomial Functions					
Similar Figures					
Sine, Cosine, Tangent					
Resolving vectors					
Graphing in 2 and 3 dimensions					
Scientific notation and significant digits					
Quadratics and polynomials					

### MATH TEACHER INFORMATION

Name \_\_\_\_\_

First

Last

Signature

Date

Email

Phone (Area Code/Number)

PLEASE RETURN TO USC SUMMER PROGRAMS [summer@usc.edu](mailto:summer@usc.edu)