Last Name:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ First Name:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ NetId:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Phone:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Major:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Year:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Please complete in detail all 4 pages of the application. Submit a completed application to Olin Hall 120 or email to chemecar@cornell.edu along with a brief resumé by 11:59 PM on 12 September 2016. Note: Olin Hall 120 closes at 4:20 PM. If you have any questions, please contact us at chemecar@cornell.edu.

\_\_\_\_\_\_\_\_\_\_\_\_

Project Interest:

Rank from 1 to 5 in respect to your interest in joining the following sub-teams (e.g. 1 for most interested). Only rank 5 sub-teams and provide a short explanation in the space provided why you want to be on the indicated sub-teams. More teams are on the next page.

\_\_\_\_\_ Battery: develop an electric-powered car using non-fuel cell electrochemical reactions

\_\_\_\_\_ Mechanical: machine and design custom parts for interior and exterior of the car

\_\_\_\_\_ Electronics: design, create, and troubleshoot digital and analog electrical components

\_\_\_\_\_ Fuel Cell: develop an electric-powered car using a hydrogen-gas fuel cell

\_\_\_\_\_ Business: HR, grading, web development, budgeting, sponsorship

\_\_\_\_\_ Potions: Research and operate chemical stopping mechanisms

\_\_\_\_\_ Pressure: develop a gas pressure-powered car using gas producing chemical reactions

\_\_\_\_\_ Safety: ensure lab safety and publish safety documentation for competitions

\_\_\_\_\_ Thermo-electric generation: Converting heat to electrical energy

Are you willing to work on a sub-team other than one you have indicated above? Y / N

# \_\_\_\_\_

Technical Experience:

If you are EXPERIENCED with any of the following, please indicate and elaborate on your area of expertise. You can provide more information in the next section.

Web Development / Programming/CAD

Advertising/Finance/Budgets

Machining

Laboratory Research/Technical Experience

Questions:

1. What skills or experience would you bring to the team? (For example: welding, machining, leadership, event planning, etc.)

1. Please list other Cornell organization(s) that you are involved in and briefly explain your role.

1. How many credits are you taking this semester and planning on taking next semester? How will you manage time for ChemE Car?

1. Do you have any previous project team experiences? If so, where and what was your responsibility? Were you referred to ChemE Car by one of our team leaders or an advisor?

1. Tell us a time when you worked in a group to overcome a challenge. Please try to give an engineering related example if possible.