

**Fall 2015 APPLICATION**

**General Information**

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| First Name | |  | Last Name | | |  | Preferred Name | | |  | |
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| **Are you legally allowed to access ITAR-protected material?** | | | **Project Availability (Check at least 2)** | | | | **Fall 2015 Status** | | **Degree Plans** | | |
| |  |  | | --- | --- | |  | Yes | |  | No | | | | |  |  | | --- | --- | |  | Fall 2015 | |  | Winter 2015 | |  | Spring 2016 | |  | Summer 2016 | |  | Fall 2016 | |  |  | | | | | |  |  | | --- | --- | |  | Freshman | |  | Sophomore | |  | Junior | |  | Senior | |  | M. Eng. | |  | MS | |  | Ph.D. | | | |  |  | | --- | --- | |  | Cornell B.S. | |  | Cornell M. Eng. | |  | Cornell M.S. | |  | Cornell Ph.D. | |  | Other M. Eng. | |  | Other M.S. | |  | Other Ph.D. | | | |
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| Preferred Phone Number | |  | Cornell NetID | |  | | Cornell Student ID number (7 digits) | | |  | |
|  | | |  | | | |  | | | | |
| Academic Major | |  | Academic Minor (if applicable) | |  | | Expected Grad date | | |  | |
| **Experiences & Interests** | | | **1 2 3** | | | | 1 = No Experience, but interested  2 = Some Exposure 3 = Experienced | | |
| Please check the boxes below as applicable. Do *not* check a box for topics that do not interest you. | | |  | | | |

**1 2 3 1 2 3**

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|  | Previous Project Team: |  | Power Electronics |
|  | Systems Engineering |  | Wire Harness Assembly |
|  | Program Management |  | Battery Charging / Chemistry |
|  | System Dynamics |  | Solar Cells |
|  | Spacecraft Design & Operations |  | RF Design |
|  | Control Systems |  | RF Communication Hardware |
|  | Finite Element Analysis |  | Ground Station Design & Operations |
|  | Thermal Modeling and Analysis |  | Amateur Radio Certification & Operation |
|  | ANSYS |  | Network Administration |
|  | CNC Experience/Certification |  | MATLAB |
|  | Green Apron Machining Certification |  | Simulink |
|  | Machining Experience |  | Real Time Operating Systems |
|  | SolidWorks Experience |  | Multithreaded Programming / Concurrency |
|  | Spacecraft Survivability |  | Data Buses/Communication Protocols |
|  | Control Moment Gyroscopes |  | Assembly/Microcontroller Programming |
|  | Vacuum Systems |  | VHDL/Verilog |
|  | Electronics Board Population |  | Java |
|  | Astronomy / Astrophotography |  | C/C++ |
|  | Electronics Board Testing |  | Simulation |
|  | Analog Electronics |  | Numerical Analysis |
|  | Digital Electronics |  | Clean Room Use & Operation |
|  | Printed Circuit Board Layout / OrCAD |  | Test Driven Development |
|  | Electronics Soldering |  | Professional Engineering Experience |

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| **Please elaborate on all topics marked in the last section on the previous page.**  Include dates, context, relevant courses and descriptions. Be sure to describe your role on any project teams. |
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| **Why are you interested in the satellite project(s)?** |
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| **Based on info sessions and any other exposures to the project, do any specific roles interest you?** |
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| **Please write any other pertinent information for consideration below.** |
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| **If available, please attach a copy of your resume.** |