

Name & Purpose

Name: Clarkson Revolutionary Aerospace Systems Concepts Academic Linkage (RASC-AL)

Purpose: The purpose of this club shall be to work with international schools to propose an innovative design to NASA's RASC-AL challenge.

Roles & Expectations of Team Members

There are five different roles students can have in RASC-AL. These positions consist of one team lead, one communications lead, four subsystem leads with associate subsystem leads under them, and team members. The team will select a theme together, in collaboration with international universities. The subsystems will be determined after selecting a theme. Some examples of themes in previous years are power, communications, life support, propulsion, and structures. Once the theme is selected and the project is broken down into subsystems, a leader will be assigned to each subsystem. Team members will be placed in a subsystem after telling the communications lead their preferences. The key responsibilities of each role are outlined below.

Team Lead

- Develop a schedule for the entire system
- Work with subsystem leads to develop subsystems based on selected theme
- Ensure the design meets within the overall budget
- Develop and integrate system requirements
- Submit documents
- Organize meetings with advisors and send advisors documents to review
- Lead weekly meetings with subsystems leads

Communications Lead

- Taking notes during full team and subsystem leads meetings
- Communicate announcements with the international students and Clarkson students via email and Slack
- Coordinate weekly subsystem leads meetings and monthly full-team meetings.
- Ensure team member requirements are being met

Subsystems Lead

- Subsystem scheduling
- Subsystem requirements
- Update slides for weekly meetings
- Plan their own weekly meetings with their subsystem group

Associate Subsystems Lead

- Participate in the majority of weekly subsystem meetings
- Perform technical analyses within their subsystem
- Take notes during subsystem meetings
- Communicate subsystem announcements with members in the subsystem via email and Slack

- Work with the communication lead to uphold team member requirements

Team Member

- Participate in the majority of weekly subsystem meetings
- Perform technical analyses within their subsystem
- Reach out to their associate subsystem lead if they are unable to attend a meeting

Meetings

- Monthly full-team meetings
 - Subsystem leads present their monthly progress via PowerPoint slides
- Weekly subsystem meetings
 - Team members work with subsystem leads to perform technical research and analyses
- Weekly subsystem leads meetings
 - Subsystem leads present their weekly progress on a few slides
 - Team lead ensures the team is on track