



Rocketry Club

ARTICLE I - ESTABLISHMENT

We the students, faculty, and staff of the University of Rochester hereby establish Rocketry Club (rocketry) of the University of Rochester and enact this constitution for its governance. Failure to follow this constitution could result in penalties or revocation of Students' Association recognition of this organization.

ARTICLE II - MISSION STATEMENT

Our organization will educate students in rocketry by providing experience in designing, building, and launching model rockets. We aim to create an environment where students can develop their skills in engineering, electronics, and aerospace.

ARTICLE III - MEMBERSHIP

SECTION ONE - MEMBERSHIP

- A. Eligibility - All Students' Association (SA) members shall be eligible for membership. An SA Member is a University of Rochester undergraduate of the College who has paid their SA activities fee. All members and associate members shall be listed on the organization's CCC site. Membership is automatically renewed yearly unless the member graduates, requests to cancel their membership, or fails to meet membership requirements.
- B. Definition of active member - All E-Board officers must attend 50% of meetings each semester to maintain an active status. If an E-Board officer misses a meeting due to unforeseen circumstances, they must contact another officer to be excused from the meeting. An active general member must attend 25% of meetings each semester to remain in active status.
- C. Definition of associate member - All University of Rochester faculty, staff, graduate students and Eastman students shall be eligible for associate membership but not eligible to hold an officer position. Graduate students, faculty, and staff are not eligible to perform, compete, nor travel as part of a college student organization.

ARTICLE IV - MEETINGS AND VOTING

SECTION ONE - QUORUM

- A. A meeting shall be valid if a quorum is present. Quorum is defined as at least ½ of the active membership and one officer.

SECTION TWO - VOTING

- A. Voting on any issue shall be official only if the meeting is valid.
- B. All members shall have equal voting power. The President shall only vote to break a tie.
- C. Procedure – All decisions shall be arrived at by simple majority using a hand vote unless otherwise specified by the presiding officer.

ARTICLE V - OFFICERS AND QUALIFICATIONS

SECTION ONE - OFFICER POSITIONS

- A. President
- B. Vice President
- C. Treasurer (Business Manager)
- D. Secretary
- E. Avionics Systems Lead
- F. Safety and Compliance Lead (with Propulsion Systems)
- G. 3D Modeling and Simulation Lead
- H. Manufacturing and Aerodynamics Lead
- I. Electrical Systems Lead

SECTION TWO - QUALIFICATIONS OF OFFICERS

LEADERSHIP ROLES:

- A. President – Overseer. Overall leadership and oversight of the team.
 - a. Qualifications: Must have completed two years of required coursework for a relevant major. Must have completed one year alongside Rocketry Club.
 - b. Major Related Requirement: Must be enrolled in Hajim School of Engineering & Applied Sciences.
 - c. Disclaimer: If no one else is qualified for this position, the qualifications are disbanded and will continue with no requirements needed.
- B. Vice President – 2nd Overseer. Assists the President and ensures smooth team operations.
 - a. Qualifications: Must have completed two years of required coursework for a relevant major. Must have completed one year alongside Rocketry Club.
 - b. Major Related Requirement: Must be enrolled in Hajim School of Engineering & Applied Sciences.
 - c. Disclaimer: If no one else is qualified for this position, the qualifications are disbanded and will continue with no requirements needed.
- C. Treasurer (Business Manager) – Money Management. Manages budget, funding, and financial records.
 - a. Qualifications: Must have participated in Rocketry Club over a semester.
 - b. Major Related Requirement: Any Major.
 - c. Disclaimer: If no one else is qualified for this position, the qualifications are disbanded and will continue with no requirements needed.
- D. Secretary – Organization. Handles scheduling, documentation, and team communications (Especially with the sponsors and CCC).
 - a. Qualifications: Must have participated in Rocketry Club over a semester.

- b. Major Related Requirement: Any Major.
- c. Disclaimer: If no one else is qualified for this position, the qualifications are disbanded and will continue with no requirements needed.

TECHNICAL TEAM MANAGERS:

- A. Avionics Systems Lead - Oversees the design and development of flight control systems, sensors, and telemetry.
 - a. Qualifications: Proficiency in one computing language (Python, C++. Rust, Arduino, etc.).
 - b. Major Related Requirement: Must be enrolled in Hajim School of Engineering & Applied Sciences.
 - c. Disclaimer: If no one else is qualified for this position, the qualifications are disbanded and will continue with no requirements needed.
- B. Safety and Compliance Lead (with Propulsion Systems) - Leads the design and safety of solid rocket propulsion systems.
 - a. Qualifications: Have completed two years of engineering-related coursework and have a competent idea of Solid Propulsion, Ionic Propulsion, and Liquid Propulsion.
 - b. Major Related Requirement: Must be enrolled in Hajim School of Engineering & Applied Sciences.
 - c. Disclaimer: If no one else is qualified for this position, the qualifications are disbanded and will continue with no requirements needed.
- C. 3D Modeling and Simulation Lead - Manages Fusion modeling, simulations, and design.
 - a. Qualifications: Have taken any course on 3D Modeling Development. If not show prior knowledge on a 3D sketch (Must have approval from a leadership position).
 - b. Major Related Requirement: Any Major.
 - c. Disclaimer: If no one else is qualified for this position, the qualifications are disbanded and will continue with no requirements needed.
- D. Manufacturing and Aerodynamics Lead - Supervises the physical assembly of rockets, focusing on aerodynamic designs and composite materials.
 - a. Qualifications: Must have participated in Rocketry Club over a semester. Have a solid foundation on how to assemble model rockets.
 - b. Major Related Requirement: Must be enrolled in Hajim School of Engineering & Applied Sciences.
 - c. Disclaimer: If no one else is qualified for this position, the qualifications are disbanded and will continue with no requirements needed.
- E. Electrical Systems Lead - Leads the development of electronic circuits and computational coding on Arduino.
 - a. Qualifications: Have experience in Printed Circuit Board Development and combining with a computing language.
 - b. Major Related Requirement: Must be enrolled in Hajim School of Engineering & Applied Sciences.
 - c. Disclaimer: If no one else is qualified for this position, the qualifications are disbanded and will continue with no requirements needed.

SECTION THREE - DUTIES OF OFFICERS

- A. All officers shall be members of the Students' Association.
- B. All officers shall promote active recruitment of new members.
- C. All officers shall enforce this constitution.
- D. All officers shall be responsible for knowing the sections of the Students' Association constitution and bylaws that apply to this organization.
- E. The President:
 - a. Shall lead and preside over all meetings, ensuring the smooth operation and organization of the club.
 - b. They will effectively communicate with other officers and delegate responsibilities to ensure that the club functions efficiently and meets its established objectives.
 - c. The President, with their extensive experience across various categories, will actively contribute to all areas of the club's activities.
- F. The Vice President:
 - a. Shall be responsible for maintaining an up-to-date copy of the constitution, which must be available for inspection by all members of the organization, Senators, and members of the Students' Association.
 - b. Additionally, the Vice President will support the President in fulfilling their duties and will assist in various roles as needed.
- G. The Treasurer (Business Manager):
 - a. Responsible for overseeing all financial aspects of the organization, including maintaining detailed records of transactions and managing the club's budget.
 - b. They will reach out to several companies to enhance the likelihood of getting funding. This role is essential for ensuring financial accountability and effective promotion of the club's activities.
- H. The Secretary:
 - a. Shall be responsible for taking roll calls at all meetings, tallying votes, maintaining an accurate list of organization members, and recording and preserving meeting minutes.
 - b. Additionally, the Secretary will engage with various groups to facilitate communication and ensure efficiency within the organization.
- I. Safety and Compliance Lead (with Propulsion Systems)
 - a. Responsible for ensuring that all members adhere to safety protocols in the workshop.
 - b. They will work closely with an upperclassman and mentor to ensure proper use of equipment and adherence to safety procedures.
 - c. Work with the motor that will be implemented into the rocket.
- J. 3D Modeling and Simulation Lead
 - a. Responsible for the timely completion of tasks by the 3D-Modeling Team and ensuring their work is efficient.
 - b. The team will focus on creating detailed sketches and 3D models of all components required for the rocket.
- K. Manufacturing and Aerodynamics Lead
 - a. Responsible for overseeing the assembly, progress, and completion of the

rocket, including the development of its individual components.

b. This role involves creating the physical build of the rocket itself.

L. Electrical Systems Lead

a. Responsible for ensuring that the Electronics Team completes all tasks on time and operates efficiently.

b. They will oversee the creation of the circuit board and schematic designs, including the development of key components such as the altimeter, GPS, and apogee systems.

M. Avionics Systems Lead

a. Responsible for compiling all information and assembly of components that will be implemented into the Rocket (Gyroscope, Accelerometer, and Telemetry).

SECTION FOUR - NOMINATIONS AND ELECTIONS

A. Nomination and Elections Procedure - Open Nominations.

B. Term of Office - The length of the term of office for officer positions will be one school year, which constitutes two academic semesters. Before the summer break, the newly elected Eboard and the incumbent Eboard shall meet to discuss duties. Newly appointed officers will take office at the beginning of the school year.

C. Timing of Elections - At least, two weeks before the last day of classes in spring semester.

D. Transition/Shadow Period: After a new officer is elected, the outgoing officer is responsible for guiding and mentoring the incoming officer. This includes providing an overview of their role, ongoing projects, and the materials or resources needed for success. This transition period will take place during the summer break.

SECTION FIVE - VACANCIES, RESIGNATIONS, AND REMOVALS

A. At the first valid meeting following a vacancy of an office, the position is to be filled by the same manner described in Article V, Section Three

B. A vote of no confidence is a vote to remove an officer. Such a vote shall require a $\frac{2}{3}$ majority of the entire active membership to pass. Any member of the organization may call for a vote of no confidence.

C. If a vote of no confidence on any officer is to take place, they must be notified one week in advance.

D. An office shall be declared vacant as the result of a vote of no confidence.

ARTICLE VI - RESOURCES

SECTION ONE - RESOURCES

A. The Rocketry Club of the University of Rochester will abide by their Resource Agreement.

ARTICLE VII - HAZING POLICY

Hazing, defined as the harassment of one individual by another individual or organization, is not permitted by the Rocketry Club. Behavior prohibited under this rule includes actions threatening substantial risk of physical or mental injury; actions exposing the individual to distressing,

repulsive, or alarming situations or sensations; forced consumption of alcohol or drugs; actions in the form of social pressure which might cause harm to an individual.

ARTICLE VIII - NONDISCRIMINATION POLICY

The Rocketry Club abides by the nondiscrimination policy of the University of Rochester.

Signature of Confirmation
Mateo Rodriguez
President, Rocketry Club

Date 04/11/2025



4/11/2025

Signature of Approval
Jessie Li
Chair, Student Organization Administration & Review Committee

Date

