

Submission information

Form: [Community Opportunity Grant Application](#) [1]

Submitted by Visitor (not verified)

Wed, 09/18/2024 - 10:24pm

24.21.179.252

Applicant Information

Project Title

Student Team Scholarships 2025

Applicant Name

Tom Sommerville

Registered Tax Exempt Number (if applicable)

26-1354007

Applicant Street Address

6800 SW Wilsonville Road c/o Wilsonville High School

City

Wilsonville

State

OR

Zip

97070

Contact (Name)

Tom Sommerville

Title

Mentor

Applicant Telephone**Applicant Email****Project Duration: Start Date**

09/01/2024

Estimated Completion Date

08/31/2025

Project Budget

Total Project Budget

\$ 5,000.00

Applicant Cash Match (a)

\$ 3,000.00

In-Kind Resources (b)

\$ 0.00

Total Applicant Match (a+b)

\$ 3,000.00

Grant Request

\$ 2,000.00

Budget Summary

Download the [Project Budget worksheet and Organization Budget worksheet here](#) ^[2] (under supporting documents), complete the worksheets, and submit below.

Project Budget [2024-25_project_budget_wilsonvilleroobotics.pdf](#) ^[3]

Organization Budget [organization_budget_wilsonvilleroobotics_2024-25.pdf](#) ^[4]

Project Narrative Questions

Provide a project description

The Wilsonville High School robotics FRC Team 1425 gives students the opportunity for workforce development in STEM and business skills. We offer real-life and hands-on experience through building and programming a robot, developing a business plan, and fundraising. We strive to make sure that any student who wants to become a member of the team can join, no matter what their economic situation may be during the academic school year. As such, we offer partial and full scholarships to students who may not be in a financial situation to afford the team's yearly fees. The expense per academic year is \$200, which includes full membership to the team, its resources, and mentors. In addition to our yearly fees, our travel expenses are also costly. On average, we travel to two competitions a season with at least 30 team members in attendance. That being said, the cost of team accommodations, nourishment, along with transportation for a team of our size is extensive. With a recently developed necessity for partial and/or full scholarships, we are requesting \$2,000 to cover the scholarships for at least 5 students and support our team's travel needs.

How does your project promote education, diversity, arts, civic engagement and/or provide entertainment and strengthen the community?

Our team promotes education by being structured much like a tech startup, with different departments (known as "sub-teams") sharing tasks and working together to create a well-rounded and collaborative final product. Working with mentors, our seven sub-teams include electrical, business, mechanical, scouting, software, strategy, and design. Using computer systems to create the robot, developing budgets, writing grant requests, working within a defined deadline to create a final product, and working collaboratively with multiple sub-teams are only a

few of the experiences students are given. Sub-team leads are similar to managers, they serve as student mentors and guides for new team members. Some of our past students who have been given scholarships have also been sub-team leads. The six FIRST Core Values (discovery, innovation, impact, inclusion, teamwork, and fun) remain central to our entire team's efforts. On Team 1425, we are proud to be a student-led and mentor-driven team. By building robots, we are building the next generation of STEM innovators.

The FIRST Robotics Competition (FRC) season runs from January through April of each year. The competition kick-off is during the first weekend of January when the new game is announced. Kickoff is followed by a six-week design and robot build season, where the team meets at least 5 days per week. In March, the competition season begins where teams gather at district events to compete with their robot to score ranking points and win matches with randomly assigned alliance partners. The competition events include networking with other teams and speaking with judges to potentially win technical or attribute awards; these awards include team spirit, entrepreneurship, industrial design, engineering innovation, gracious professionalism, creativity, and many others. All sub-teams play a vital part in the robot's success at competitions and in accomplishing our greater mission of "Building Robots, Building People".

One of the ways Team 1425 works to contribute back to the community of Wilsonville is that we host an annual off-season event in the fall at the Wilsonville High School, called Girls Gen. This regional event keeps PNW team members engaged year-round and brings over 25 FRC high teams into the Wilsonville area. Then, in March, our team hosts an annual PNW district event, called the Wilsonville District Competition. This two-day event brings in over 35 FRC teams and 1,500 visitors to the city of Wilsonville, which helps give the city more recognition and supports many local businesses, especially lodging and eating establishments.

What are your organization's goals for this project? And, what population are you aiming to serve? (youth, seniors, families, underprivileged, persons with disabilities, etc..) Using measurable amounts whenever possible, consider the question: How will you know that you succeeded in your goals?

The goals of this project are two-fold. One is based on achieving Team 1425's mission of "Building Robots, Building People". Students on Team 1425 learn the importance of teamwork, communication, leadership, and other valuable life skills. The other is to be an inclusive team where students from every economic situation can be welcomed, successful, and contributing members. While our short-term goal each FRC season is to build the most successful robot, our long-term goal is to enable students to develop interpersonal skills, leadership abilities, personal accountability, and self-confidence. By building robots, we also build the next generation of Science, Technology, Engineering, and Math (STEM) innovators.

We measure this by the level of engagement of the student during the build season. That can be gauged by the projects the student takes on as a member of a particular sub-team and by their attendance at meetings. The mentors are always available to guide, answer questions, and be a resource for any students.

Other measures of success include the sustainability of the team year-to-year such that Team 1425 can continue to achieve its mission for as many students as possible. Team 1425 does annual outreach activities to recruit middle school students and incoming freshmen to join our robotics team at Wilsonville High School. Our team also welcomes home-schooled and other local high school students to be a part of Team 1425. Our team works hard to provide a welcoming environment to any student interested in joining, regardless of where they attend school.

How are you/your organization suited to produce this project/program? Provide the community resources that will be used if applicable (volunteers, local vendors, local

contributions, etc.)

We always strive for the full participation and engagement of every student and adult volunteer. We value the transfer of knowledge, both through hands-on learning and through teaching. This is provided through mentor demonstrations and student leadership. With the help of our mentors who are professionals in their field and experienced student leads, students have someone for guidance as we progress through the year.

Almost all of our mentors have graduated college from science, technology, engineering, arts, and mathematics (STEAM) and business fields, some receiving advanced degrees. They bring a variety of skills and expertise to students and volunteer countless hours of their time. Without the help of our mentors, the students would not have as many opportunities to learn the technical and business skills needed to build a competitive robot. On Team 1425, we value the assistance of our mentors to teach our students valuable real-world skills and inspire students to go on to STEAM career paths.

Participation in Team 1425 instills several social and leadership skills in our members. When asked what their favorite part of being on the team was, common responses included “learning and working with other people”, “showing the rookies how to use the machines at the shop”, and “working together and collaborating with amazingly creative and genius minds!”. Team 1425 strengthens more than just technical knowledge. We are also fostering management skills, problem-solving techniques, communication strength, working collaboratively, leadership ability, and personal and genuine Gracious Professionalism.

Signature and Certification Letter:

I hereby certify that all the facts, figures and representations made in this application, including all attachments, are true and correct. This application is made with the written approval of my board of directors, which is attached to this application.

I agree that all publicity, press releases, publications, materials and /or media advertising produced as a part of this proposed project will acknowledge the Grant Program as follows: “This project is made possible in part by a grant from the City of Wilsonville.”

I agree to carry out this project as outlined within this application. Further, I understand that failure to do so will invalidate this agreement and necessitate the immediate return of all Community Opportunity Grant monies to the City of Wilsonville.

Signature

Thomas I Sommerville Jr

Date Signed Wed 9/18/24

I Accept

Yes

Final Report From Previously Awarded Grant (if applicable)

[2023-24_wv_grant_final_report_combined.pdf](#) ^[5]

Source URL:<https://www.wilsonvilleparksandrec.com/node/101151/submission/63521>

Links

[1] <https://www.wilsonvilleparksandrec.com/parksrec/webform/community-opportunity-grant-application> [2]

<http://www.wilsonvilleparksandrec.com/parksrec/page/grant-programs-0> [3]

https://www.wilsonvilleparksandrec.com/system/files/webform/2024-25_project_budget_wilsonvilleroobotics.pdf [4]

https://www.wilsonvilleparksandrec.com/system/files/webform/organization_budget_wilsonvilleroobotics_2024-25.pdf [5]

https://www.wilsonvilleparksandrec.com/system/files/webform/2023-24_wv_grant_final_report_combined.pdf

Organization Budget

This budget shows how this project fits into your organization. The project should be shown as a line in this budget.

Fiscal Year: 2024 to 2025

Income Sources	Amount
Lam Research (applied)	\$1,000.00
Lam Research (mentor hours matching award)	\$8,000.00
Xerox (anticipated)	\$5,000.00
TE Connectivity	\$2,000.00
City of Wilsonville Grant (applied)	\$2,000.00
other (anticipated awards through FIRST, student fundraising, etc)	\$15,000.00
Student Fees	\$10,000.00
Total Organization Income	\$43,000.00

Expenses	Amount
Mechanical team (robot builds and other projects)	\$16,510.00
Electrical team	\$3,861.00
Software team	\$350.00
Scouting team	\$279.00
Business/Marketing team	\$3,488.60
Student Scholarships	\$2,000.00
Student Travel Scholarships	\$3,000.00
Other (mentor travel, FIRST registration, team meals, etc)	\$25,220.00
Total Organization Expense	\$54,708.60

Project Budget

This budget provides the detail of the project that the grant funds will be applied to. This should include how the funds from this grant will be spent. Expenses must be explicitly defined. Please include in-kind and cash match.

Income Sources	Amount
Team Funds	\$3,000.00
City of Wilsonville Grant	\$2,000.00
Total Project Income	\$5,000.00

Expenses - Must be specifically itemized	Amount
5 Student Scholarships @ \$200	\$1,000.00
20 Student Travel Scholarships @ \$200 (Cheney, WA)	\$4,000.00
Total Project Expense	\$5,000.00