

FIRST Robotics Head Coach

Summary: University of Detroit Jesuit High School and Academy is seeking a Head Coach for its FIRST Robotics Team. The FIRST Robotics Team is a unique school activity in which students work with engineering mentors, school advisors, and each other to design, build, program, and compete with a robot against other teams around the world. The team at U of D Jesuit is Team 1701, aka The Robocubs. As a team they strive to build a culture, within the school and throughout the city of Detroit, that encourages and celebrates science, technology, engineering, and math; that operates with integrity and professionalism; and that strives to achieve justice in access to technology and knowledge.

The Robocubs strive to be a world-class robotics team that:

- Builds STEM knowledge skills in its members.
- Reaches out to middle schools, particularly in the city of Detroit, to build STEM awareness in younger kids.
- Partners students with knowledgeable technical mentors in a rigorous design and build process.
- Competes successfully at a variety of levels in local and worldwide competitions.
- Builds within the school a culture where STEM is seen as rewarding and exciting as any other sport, and where students exhibit integrity and Gracious Professionalism in all endeavors.
- Fulfills U of D Jesuit's mission in creating Men for Others who are Loving, Religious, Intellectually Competent, Open to Growth, and Committed to Doing Justice.

On average the team consists of 15-20 U of D Jesuit students. There are around a half-dozen volunteers who assist the team and help to plan and implement the team's objectives. Assistant coaches help with financials, logistics, and in other areas as designated by the head coach.

Application Procedures:

Submit cover letter, resume, and a completed non-teaching application form (located at www.uofdjesuit.org/jobs) to the email address indicated on the application form.

U of D Jesuit reserves the right to close this posting prior to its original end date once a sufficient number of applications have been received.

Duties and Responsibilities:

- Recruit and train students for robotics competitions (local, regional, and state events).
- Supervise scheduled team meetings and additional meetings that may be required .
- Plan travel arrangements for competition events.
- Order materials according to purchasing procedures.
- Work with Development Team to coordinate fundraising.
- Recruit and collaborate industry mentors, as well as parent volunteers.
- Maintain a safe and clean working environment, and keep the students focused on a culture of safety.
- Communicate pertinent information to students, parents, mentors, and sponsors.
- Assign students to specific sub-teams and tasks in order to develop the students' skills and help the teams achieve their goals.
- Mentor student leaders as they make executive decisions.

- Engage and learn alongside the students.

Qualifications, Abilities, and Experience:

- Ability to acquire a working knowledge of FIRST robotics, problem-solving skills, and simple computer programming skills.
- Possesses strong teamwork and interpersonal skills; enjoys working with high school students, and has a desire to build positive relationships.
- Ability to work with students in a way that boosts confidence, inspires their technical learning, and builds both problem-solving and collaborative skills.
- Fosters a culture of support and leadership that will help students grow and develop within the team and in competition.
- Demonstrates the capacity to lead staff and collaborate with industry mentors, parent volunteers, and high school teachers in accordance with the program's vision.
- Strives to build on the reputation of the Robocubs (Team 1701) and continue its competitive success.
- Possesses a strong sense of program management. Must be able to manage students, volunteers, assistant coaches, and parents.
- Working knowledge in the field of robotics or engineering is preferred.

Time Commitment:

Build Season (typically 4 months, starting in January):

Team Meetings:

Monday - Friday: 3pm - 7pm

Saturdays: 10am - 6pm

Administrative/Prep: 6 hours/week

Off-Season:

Work is typically centered around skill development to make sure students are ready for the upcoming season, as well as additional projects unrelated to competitions such as the t-shirt cannon and Art Bot.

Team Meetings:

Regular Saturday meetings: 10am - 6pm

Two days a week: 3pm - 7pm

Administrative/Prep: 3 hours/week

Compensation: Commensurate with qualifications and experience.

Our Mission: University of Detroit Jesuit High School and Academy is committed to providing the highest quality Jesuit Catholic college preparatory education for young men throughout metropolitan Detroit. University of Detroit Jesuit, in collaboration with parents, will challenge its students to go beyond academic excellence, to be reflective, to be committed to the service of faith and promotion of justice, and to be "Men for Others."

Our School: U of D Jesuit strives to develop graduates who are open to growth, committed to doing justice, loving, religious, and intellectually competent. Every employee must be committed to understanding, promoting, and modeling the mission and vision of U of D Jesuit in their day-to-day

activity. U of D Jesuit prohibits the abuse and mistreatment of students and takes seriously any report of suspected abuse. Every employee is required to adhere to policies relating to boundaries with students, report any suspicious and inappropriate behaviors promptly, and attend abuse risk management training as scheduled.